



भारत का राजपत्र

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नई दिल्ली, शनिवार, जनवरी 26, 1991 (माघ 6, 1912)
NEW DELHI, SATURDAY, JANUARY 26, 1991 (MAGHA 6, 1912)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices Issued by the Patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS
Calcutta, the 26th January, 1991

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Calcutta-700 020.

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Telegraphic address "PATENTS".

All applications, notices, statements or other documents or any fees required by the Patents Act, 1970 or the Patents Rules, 1972 will be received only at the appropriate Offices of the Patent Office.

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पेटेंट कार्यालय

एकस्थ तथा अभिकल्प

कलकत्ता, दिनांक 26 जनवरी 1991

पेटेंट कार्यालय के कार्यालयों के पते एवं क्षेत्राधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में स्थित है तथा अम्बई, दिल्ली एवं मद्रास में इसके शाखा कार्यालय हैं, जिनके प्रादेशिक क्षेत्राधिकार जोन के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टोडी इस्टेट,
तीसरा तल, लोअर परेल (पश्चिम),
अम्बई-400 013

गुजरात, महाराष्ट्र तथा मध्य प्रदेश राज्य क्षेत्र एवं संघ शासित क्षेत्र गोआ, दमन तथा दिव एवं दादरा और नगर हवेली।

तार पता—''पेटोफिस''

पेटेंट कार्यालय शाखा,
इकाई सं० 401 से 405, तीसरा तल,
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005

हरियाणा, हिमाचल प्रदेश, जम्मू तथा कश्मीर, पंजाब, राजस्थान तथा उत्तर प्रदेश राज्य क्षेत्रों एवं संघ शासित क्षेत्र चंडीगढ़ तथा दिल्ली।

तार पता—''पेटेंटोफिक''

पेटेंट कार्यालय शाखा,

61, वालाजाह रोड,

मद्रास-600 002

आंध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु राज्य क्षेत्र एवं संघ शासित क्षेत्र पाण्डिचेरी, लक्षद्वीप, मिनीकोय तथा एमिनिदिवि द्वीप।

तार पता—''पेटेंटोफिस''

पेटेंट कार्यालय (प्रधान कार्यालय),
निजाम पैलेस, द्वितीय बहुतलीय कार्यालय
मवन 5, 6 तथा 7वां तल,
234/4, आचार्य जगदीश बोस रोड,
कलकत्ता-700 020

भारत का अवशेष क्षेत्र

तार पता—''पेटेंट्स''

पेटेंट अधिनियम, 1970 या पेटेंट नियम, 1972 में अपेक्षित सभी आवेदन-पत्र, सूचनाएं, विवरण या अन्य प्रलेख पेटेंट कार्यालय के केवल उपयुक्त कार्यालय में ही प्राप्त किए जाएंगे।

शुल्क : —शुल्कों की अदायगी या लोनकव की जाएगी अथवा उपयुक्त कार्यालय में नियंत्रक को सुगतान योग्य घनादेश अथवा डाक आदेश या जहां उपयुक्त कार्यालय स्थित है, उस स्थान के अनुसूचित बैंक से नियंत्रक को सुगतान योग्य बैंक ड्राफ्ट अथवा चैक द्वारा की जा सकती है।

THE PATENT OFFICE Calcutta, the 26th January, 1991

APPLICATIONS FOR PATENTS FILED AT THE HEAD OFFICE 234/4, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-20

The dates shown in the crescent brackets are the dates claimed under section 135, of the Patents Act, 1970.

19th December, 1990

1042/Cal/90 Himont Incorporated. Components and catalysts for the polymerization of olefins.

1043/Cal/90 Walter Whitson-Fischman. Method for preparing an oral and injectable chemical formulation. [divisional dated 5th April, 1989]

20th December, 1990

1044/Cal/90 Tyng-Jen Sheu. Fountain Pen.

1045/Cal/90 Stone & Webster Engineering Corp. Improved cryogenic separation of gaseous mixtures.

1046/Cal/90 Simens Aktiengesellschaft. Electric machine.

1047/Cal/90 Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Loading carriage, travelling on rails, for loose material.

1048/Cal/90 Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Loading carriage, travelling on rails, for loose material.

1049/Cal/90 Franz Plasser Bahnbaumaschinen-Industriegesellschaft m.b.H. Improvements in and/or relating to bulk goods loading wagon.

1050/Cal/90 Hans Oetiker Ag Maschinen-Und Apparatefabrik High pressure coupling and apparatus for installing same.

21st December, 1990

1051/Cal/90 Hitachi Ltd. Gas circuit breaker.

24th December, 1990

1052/Cal/90 E.I. Du Pont De Nemours and Company. High-speed cutter for aramids.

1053/Cal/90 RXS Schrumpftechnik-Garnituren GmbH. Heat-shrinkable envelope.

1054/Cal/90 General Electric Company. Cooling header construction for a thyristor stack.

1055/Cal/90 Copeland Corporation. Compressor system with demand cooling.

- 1056/Cal/90 (1) Korsnas Ab, (2) Ramot-University Authority for Applied Research and Industrial Development Ltd., (3) The Technion Research and Development Foundation Ltd. Preparation exhibition enzymatic delignification activity, a method of producing the same, and applications thereof.
- 1057/Cal/90 E.I. DU Pont De Nemours and Company. A film product made by a continuously drawing process. [Divisional dated June 22, 1987]

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, THIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

15th October, 1990.

- 1004/Del/90 Sultan Singh Jain, "Fuse connector".
- 1005/Del/90 Sultan Singh Jain, "Fuse changer".
- 1006/Del/90 Sultan Singh Jain, "Fuse connector-cum-selector".
- 1007/Del/90 Mobil Solar Energy Corporation, "Source material delivery system".
- 1008/Del/90 Exxon Chemical Patents Inc, "Olefin polymerization catalyst from trialkylaluminum mixture, silica gel and a metallocene".
- 1009/Del/90 Centre Stephanois De Recherches Mecaniques Hydromecanique Et Frottement, "Chromiumnitrogen alloy surface coating and method of application".
- 1010/Del/90 Mitsui Petrochemical Industries Ltd, "Lubricant oil composition".
- 1011/Del/90 Aktiebolaget Bofors, "Subwarhead".
- 1012/Del/90 Aktiebolaget Bofors, "Subwarhead".
- 1013/Del/90 The Procter & Gamble co, "Package consisting of a paper bag compactly packing compressed flexible articles". (Convention date 23rd October, 89) (U.K.).

16th October, 1990

- 1014/Del/90 Council of Scientific & Industrial Research, "Cycled potters wheel".
- 1015/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of conducting polypyrrole blends".
- 1016/Del/90 Council of Scientific & Industrial Research, "An improved polymerisation process for the preparation of polyheterocycles blends".
- 1017/Del/90 Council of Scientific & Industrial research, "Improvements in or relating to synthesis of conducting polyanisidine".
- 1018/Del/90 Council of Scientific & Industrial research, "An improved polymeric composition primarily based on polyvinyl chloride and nitrile rubber blends for synthetic soles with reduced plasticizer content and better performance characteristics".
- 1019/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of conducting polytoludine".

- 1020/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of a polytoludine electrode, an electrode so prepared and a cell using the said electrode".
- 1021/Del/90 Council of Scientific & Industrial Research, "An electronic device for time delay and low/high voltage protection of electrical/electronic equipment".
- 1022/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of skin care lotion containing long chain fatty alcohols and esters of jojoba oil".

16th October, 1990

- 1023/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of Z-3-dodecenyl E-2'-butenoate".
- 1024/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of linear alkyl benzenes".
- 1025/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of crystalline vanadium titanium silicate".
- 1026/Del/90 Council of Scientific & Industrial Research "An improved process for the synthesis of 4-(2-alkoxy ethyl) phenol".
- 1027/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of N-1 and N-2 substituted-4, 6-bis (Thioalkyl)-1 H/2H-pyrazolo (3, 4-d) pyrimidine".
- 1028/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of 4-amino 6-thioalkyl 1-(2", 2'-diethoxy ethyl)-1 H-pyrazolo (3, 4-d) Pyrimidine".
- 1029/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of 4-amino 6-thioalkyl-2-(2", 2'-diethoxy ethyl)-2 H-pyrazolo (3, 4-d) pyrimidine".
- 1030/Del/90 Imperial Chemical Industries PLC, "Detergent compositions and processes of making them". (Convention date 23rd October, 89 & 19th December, 89) (U.K.).
- 1031/Del/90 Libbey-Owens-Ford Co, "Method for preparing vaporized reactants for chemical vapor deposition".
- 1032/Del/90 Rohm & Haas Co, "Positive acting photo resist and method of producing same".
- 1033/Del/90 National Council for Cement & Building Material "A mechanical or dynamic separator".
- 1034/Del/90 All India Institute of Medical Sciences, "A process for the preparation of an experimental system".

17th October, 1990

- 1035/Del/90 Steel Authority of India Ltd, "A process of preparing an anhydrous composition of mudgun mass suitable for plugging the tapholes of high top pressure blast furnaces and anhydrous composition or mudgun mass so produced".
- 1036/Del/90 EL. PO. S. r. l., "A stopper for aseptic containers".

1037/Del/90 Shell International Research Maatschappij B. V., "A process for the production of ethylene oxide from ethylene and oxygen". [Divisional date 20th October, 1987].

1038/Del/90 Johnson Matthey Public Ltd. Co., "Material". (Convention date 20th October, 89) (U.K.).

19th October, 1990

1039/Del/90 Carrier Corporation, "Rolling rotor motor balancing means".

1040/Del/90 Kanegafuchi Kagaku Kogyo Kabushiki Kaisha, "A process for producing synthetic resin foam".

1041/Del/90 Imperial Chemical Industries PLC, "Reactive dyes". (Convention date 16th November, 89) (U.K.).

1042/Del/90 Felipe Salete Garces, "Grain husking and polishing machine".

1043/Del/90 Ethyl Corporation, "Acetic acid derivatives and their production".

1044/Del/90 Agrolinz Agrarche Mikalien Gesellschaft, m.n.H., "Process for the preparation of pure, unsymmetrically disubstituted ureas".

22nd October, 1990

1045/Del/90 S. Vijayaraghavan, "Production of low cholesterol roasted cashew nuts and also incorporating flavours".

1046/Del/90 Hydrocarb Corporation, "Process for the conversion of carbonaceous feedstocks to particulate carbon and methanol".

1047/Del/90 The Procter & Gamble Co., "Methods and compositions employing certain lysozymes and endoglycosidases".

1048/Del/90 The Procter & Gamble Co., "Method and formulation employing type II endoglycosidase".

1049/Del/90 The Procter & Gamble Co., & other, "Method employing type II endoglycosidase".

1050/Del/90 The Procter & Gamble Co., & Other, "Antimicrobial method and formulation employing type II endoglycosidase and antimicrobial agent".

1051/Del/90 The Procter & Gamble Co., "Decoupled sanitary napkin".

23rd October, 1990

1052/Del/90 National Council for Cement and Building Materials, "An air seal for a ball mill".

1053/Del/90 Riker Laboratories, Inc., "Process for 1H-imidazo (4, 5-c) uinolines".

1054/Del/90 Imperial Chemical Industries PLC, "Reactive dyes". (Convention date 16th November, 89 & 16th August, 90) (U.K.).

24th October, 1990

1055/Del/90 National Council for Cement & Building Materials, "An improved grit separator".

1056/Del/90 The tata Energy Research Institute. "A method for preparation of gas diffusion electrodes".

25th October, 1990

1057/Del/90 Jaidev Khetrapal, "Cellular sections".

1058/Del/90 Fosroc International Ltd. "A method of sealing an opening". (Convention date 25th October, 89) (Australia).

1059/Del/90 Imperial Chemical Industries PLC, "Water-based autoxidisable coating compositions" (Convention date 26th October, 1989) (U.K.)

1060/Del/90 Conseil Etude Et Development an Industrialisation Du Batiment-CEDIBAT "Improvements in or relating to method of and device for moulding building blocks".

26th October, 1990

1061/Del/90 Carrier Corporation, "Method for manufacturing a high efficiency heat transfer surface and the surface so manufactured".

1062/Del/90 Anders Edvard Trelle, "Entrance telephone installation utilizing the public subscriber telephone network".

1063/Del/90 Aerospatiale Societe Nationale Industrielle, "Rotary, Viscoelastic drag elastic-return and damping device for a rotorcraft rotor blade, and rotor head including it".

1064/Del/90 Societe Nationale D' Etude Et De Construction De Moteurs D' Aviation "S. N. E. C. M. A." Method of producing specimen precision casting moulds for hydrodynamic study purposes".

1065/Del/90 Alcan International Ltd, "Method of controlling the rate of heat extraction in mould casting".

1066/Del/90 Colgate-Palmolive Co, "A toothbrush for use with tooth powders".

1067/Del/90 National Research Development Corporation, "Poly-vinylphosphonic acid glass ionomer cement". (Convention date 26th October, 89) (U.K.)

1068/Del/90 Motorola Inc, "Wireless fast packet communications system".

1069/Del/90 E.R. Squibb & Sona, Inc, "Process for direct isolation of captopril".

29th October, 90

1070/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of arteether".

1071/Del/90 Council of Scientific & Industrial Research, "An improved process for the preparation of antimalarial drug artemisinin from the plant artemisia annual".

- 1072/Del/90 Union Carbide Industrial Gases Technology Corporation, "Sulfonated hexafluoro Bis-a-polysulfone membranes and process for fluid separations".
30th October, 90
- 1073/Del/90 Imperial Chemical Industries PLC, "Process for the preparation of fluoroaromatic and fluoroheteroaromatic compounds". (Convention date 22nd November, 1989) (U.K.)
- 1074/Del/90 Makhan M. Jhavar, "Disinfecting a fluid with ultraviolet radiation".
31th October, 90
- 1075/Del/90 Ajit Singh Gill, "A flow control and pressure reduction valve".
- 1076/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of Biocide useful for controlling mosquito borne diseases from bacillus sphaericus".
- 1077/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of novel 5-acyl-2-acylamino-1H-benzimidazoles useful as antifilarial agents".
- 1078/Del/90 Council of Scientific & Industrial Research, "A process for the synthesis of alkyl 5,6-(N¹-N³-dicarboxyguanidino) phenyl carbonyl-benzimidazole-2-carbamates".
- 1079/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of 3-arylmethyl-1,3'-diethylaminopropyl) pyrrolidines".
- 1080/Del/90 Council of Scientific & Industrial Research, "An improved method for the preparation of cyclohexanone azine, cyclohexanone-oxime simultaneously using zirconium containing zeolite catalyst".
- 1081/Del/90 Council of Scientific & Industrial Research, "An improved integrated two step process for conversion of methene to liquid hydrocarbons of gasoline range".
- 1082/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of optically active alpha-aryl propionic acids".
- 1083/Del/90 Bharat Heavy Electricals Ltd, "A method of joining dissimilar materials".
- 1084/Del/90 The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, "Visual image transmission by fibre optic cable". Convention date 3rd November, 1989 (U.K.)
- 1085/Del/90 Allen-Bradley Co, Inc., "Controller for starting and stopping electric motors".
- 1086/Del/90 Ingersoll-Rand Co, "Method and apparatus for controlling a fluid compression system".
1st November, 90
- 1087/Del/90 GEC Alsthom S.A., "A surge-limiting circuit breaker".
- 1088/Del/90 The Secretary of State for Defence in Her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, "Auxiliary heat treatment for aluminium-lithium alloys".
- 1089/Del/90 The Drummer Group, "Interrelational audio kinetic entertainment system".
6th November, 90
- 1090/Del/90 Artificial Limbs Manufacturing Corp of India, "A wheel chair for use in airports".
- 1091/Del/90 Artificial Limbs Manufacturing Corp of India, "A wheel chair for use in railway stations".
- 1092/Del/90 Ajay Kumar Tandon & Others "A braking system".
- 1093/Del/90 The Procter & Gamble Co, "Sanitary napkin having laterally extensible means for attachment to the undergarment of the wearer".
- 1094/Del/90 Heatrae Sadia Heating Ltd, "Heater for liquid". (Convention date 9th November, 89) (U.K.)
- 1095/Del/90 Smiths Industries Public Ltd. Co, "Flame detection". (Convention date 10th November, 89) (U.K.)
- 1096/Del/90 Dale L. Miller, "Method and apparatus for joining two relatively movable parts".
7th November, 90
- 1097/Del/90 Council of Scientific & Industrial Research, "An improved process for the production of cyclohexanone and cyclohexanol".
- 1098/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of caprolactam from cyclohexane".
- 1099/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of caprolactam from cyclohexane".
- 1100/Del/90 Council of Scientific & Industrial Research, "An improved process for the production of cyclohexanone and cyclohexanol".
- 1101/Del/90 Council of Scientific & Industrial Research, "An improved process for the manufacture of caprolactam".
- 1102/Del/90 Bio-Technology General Corp, "Improved method for purification of recombinant copper/zinc (CU-ZN) superoxide dismutase from bacteria or eucaryotic cells".
- 1103/Del/90 Exxon Chemical Patents, Inc, "Cling packaging film for wrapping food products".
- 1104/Del/90 Richter Gedeon Vegyeszeti Gyar RT, "Injectable solution and process for preparing same".
- 1105/Del/90 Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.), "Preparation process of selenophen derivatives". (Convention date 22nd November, 89) U.K.

8th November, 90

- 1106/Del/90 Hartmann & Braun Aktiengesellschaft, "Device for calibration a non-dispersive infrared gas analyzer".
- 1107/Del/90 Hartmann & Braun Aktiengesellschaft, "Non-dispersive infrared gas analyzer for the simultaneous measurement of the concentration of several components of a gas sample".
- 1108/Del/90 Hartmann & Braun Aktiengesellschaft, "A circuit arrangement for feeding an earthed load with an impressed current".
- 1109/Del/90 Rudolph W. Gunnerman, "Aqueous fuel for internal combustion engine and method of combustion".
- 1110/Del/90 The Gillette Co, "Shaving system".
- 1111/Del/90 The Gillette Co, "Safety razor".
- 1112/Del/90 Stein-Heurtey, "Device for turning iron and steel products of square or rectangular cross-section through an angle of 180°".
- 1113/Del/90 Stein-Heurtey, "Storage enclosure for metallurgical products".

9th November, 90

- 1114/Del/90 Raj Kumar Tandon, "An improved ring cutter".

12th November, 90

- 1115/Del/90 Bharat Heavy Electricals Ltd, "Device for the estimation of gas constant of freon 12-air mixture".
- 1116/Del/90 Alphatrad S.A, "Linear motor conveyance system". (Convention date 10th November, 89) (U.K).

13th November, 90

- 1117/Del/90 National Research Development Corporation, "Transducer power supply". (Convention date 13th November, 89, 26th July, 90 & 10th August, 90) (U.K).
- 1118/Del/90 National Research Development Corporation, "Transducer signal conditioning Circuit". (Convention date 13th November, 89, 13th November, 89 & 8th October, 90) (U.K).
- 1119/Del/90 Union Carbide Industrial Gases Technology Corporation "Improved apparatus for holding and refining of molten aluminum".
- 1120/Del/90 AFA Products, Inc, "Adjustable nozzle assembly".
- 1121/Del/90 Poelsin Hydraulics, "A pressure fluid mechanism such as a motor or a pump coupled to a braking device".
- 1122/Del/90 International Paint Public Ltd. Co., "A process for the preparation of a curable coating composition". (Convention date 5th September, 86) (U.K.) & [Divisional date 26th August, 87].

14th November, 90

- 1123/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of titanium rich crystalline microporous titanium silicas".
- 1124/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of an active composition containing triterpenes including azadirachtin and its derivatives possessing insect antifeedant and growth inhibitory activity from parts of the neem plant".
- 1125/Del/90 Council of Scientific & Industrial Research, "A process for the preparation of new insecticidally active composition containing lipids from the parts of the neem tree".
- 1126/Del/90 Council of Scientific & Industrial Research, "A process for the isolation of new triterpene derivatives of azadirachtin from the parts of neem tree".
- 1127/Del/90 Riker Laboratories, Inc, "Device". (Convention date 14th November, 89) (U.K)
- 1128/Del/90 C.R. Bard, Inc, "Blood pumping and processing system".
- 1129/Del/90 Robert R. Nugent, "Improvements in or relating to batteries".
- 1130/Del/90 Allen-Bradley Co. Inc, "Motor controller with an improved stopping technique".

- 1131/Del/90 Shell Internationale Research Maatschappij B.V., "Olefin polymerization catalysts". (Convention date 16th November, 1989) (U.K.)

16th November, 90

- 1132/Del/90 Societe De Conseils De Recherches Et D' Applications Scientifiques (S.C.R.A.S.) "Preparation process of 3-(N-Methyl-N-Alkyl)-Amino 2-methoxymethylene propan 1-ol derivatives". (Convention date 19th December, 1989) (U.K.).
- 1133/Del/90 International Paint Public Ltd. Co., "A process for the preparation of a curable coating compositions". (Convention date 5th September, 86) (U.K.) & [Divisional date 26th August, 87].

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600002

3rd December, 1990

- 972/Mas/90 Institut Francis Du Petrole. Vibrating seismic source usable notably in wells.
- 973/Mas/90 Minnesota Mining and Manufacturing Company. Improved Bone Stapler. (Divisional to patent No. 99/Mas/87).
- 974/Mas/90 Inland Steel Company. A method for strand casting steel and for preventing undesirable fumes generated during said strand casting from polluting the work

place environment and an apparatus for strand casting steel. (Divisional to Patent Application 105/Mas/87).

4th December, 1990

975/Mas/90 Usinor Sacilor. Device for casting thin strips of metal between two rotary and parallel rolls or on a single roll.

976/Mas/90 Hans-Otto Schwarze. Cleaning apparatus for an endless belt installation.

977/Mas/90 Hans-Otto Schwarze. Conveyor belt apparatus.

5th December, 1990

978/Mas/90 Jaganathan Thirunavakkarasu. A clearer device for lower or bottom drafting rollers of a spinning machine.

979/Mas/90 Daikin Industries Ltd. Process for producing multilayer polytetrafluoroethylene porous membrane.

980/Mas/90 Strupar. Phenol.

981/Mas/90 Daikin Industries Ltd. A process for producing a multilayer polytetrafluoroethylene porous membrane.

6th December, 1990

982/Mas/90 Lucas-TVS Ltd. A replaceable bulb type automobile headlamp with breathing facility.

983/Mas/90 Peddi Reddy Lakshmi Narasimha Reddy. Peeyal Method of manufacturing lead nitrate from lead ore (Gelena).

984/Mas/90 Bepak PLC. Dispensing apparatus. (December 12, 1989; Great Britain).

985/Mas/90 Union Carbide Chemicals and Plastics Company Inc. A method for inhibiting polymer build-up in a heat exchanger during the gas phase polymerization of alpha-olefins.

986/Mas/90 Slagteriselskabet WENBO A.m.b.A. Process for preparing low caloric meat products.

987/Mas/90 Sukomal Roychowdhury. Deodorant composition for abating the odor of organic refuse.

988/Mas/90 United Distillers PLC. A method of removing water from a mixture containing water and ethanol. (January 17, 1986; Great Britain). (Divisional to Patent Application No. 3/Mas/87).

989/Mas/90 Mitsui Petrochemical Industries Ltd. Method and apparatus for splitting amorphous metal foil.

7th December, 1990

990/Mas/90 Owens-Illinois, Inc. A system for reading a code on a molded container. (Divisional to Patent Application No. 238/Mas/87).

991/Mas/90 Lonza Ltd. Process for the preparation of 61 Hydroxynicotinic Acid.

992/Mas/90 Agency of Industrial Science and Technology and Miracle Company Limited. An electro-abrasive polishing process of the inner surface of pipes to extra-smooth mirror finish.

OPPOSITION PROCEEDINGS

The Opposition entered by Associated Cement Company Limited, Bombay-400020 to the grant of a Patent on application No. 166049 made by Greaves Foseco Limited as notified in the Gazette of India, Part III, Section 2 dated 6th October, 1990 has been treated as withdrawn and it is ordered that the application will proceed to sealing in the prescribed manner.

PATENTS SEALED

166059 166120 166285 166352 166428 166450 166460 166469 166471 166473 166474 166477 166479 166483 166484 166487 166519.

CAL—3
DEL—12
MAS—1
BOM—1.

RENEWAL FEES PAID

144171 146221 146359 147427 147903 147939 148203 148261 148429 148567 148915 149110 149396 149405 149424 149470 149603 149606 149883 150157 150298 150330 150766 150767 150801 151067 151445 151658 151718 151900 151945 152177 152283 152365 152545 152546 152547 152611 152612 152858 153023 153032 153213 153663 153851 153895 154064 154237 154240 154335 154505 154401 154670 154807 155117 155204 155578 155625 155629 155863 155956 156097 156154 156182 156437 156519 156543 156784 156794 156795 156797 156836 156841 156843 156876 156914 156915 157264 157338 157511 157719 157842 157903 158117 158137 158262 158281 158369 158517 158524 158528 158582 158612 158839 158850 158864 158975 158979 158987 159048 159095 159376 159377 159379 159408 159472 159482 159726 159748 159819 159828 159898 159908 159913 159981 160040 160149 160153 160322 160404 160526 160529 160574 160668 160745 160762 160844 160876 160910 160969 161054 161056 161073 161298 161304 161322 161339 161411 161452 161457 161523 161611 161612 161615 161644 161703 161980 162007 162251 162481 162670 162689 163054 163058 163097 163174 163185 163360 163388 163406 163466 163477 163802 163827 163965 164076 164094 164279 164668 164682 164695 164737 164841 164961 164962 164966 164967 164968 164970 164974 164975 164995 165038 165039 165044 165046 165122 165152 165153 165154 165160 165161 165168 165171 165182 165184 165190 165254 165281 165427 165436 165439 166125 166330 166384 166421 166425 166426 166442 166444 166446 166448 166540

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the Applications concerned, may, at any time within four months of the date of this issue or within such

further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The Written statement of opposition should be filed alongwith the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page is Rs. 4/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि सम्बन्ध आवेदनों में से किसी पर पेटेंट अनुदान का विरोध करने के इच्छुक कोई व्यक्ति, इसके निर्गम की तिथि से 4 महीने या अग्रिम ऐसी अवधि जो उक्त 4 महीने की अवधि की समाप्ति के पूर्व पेटेंट नियम, 1972 के तहत विहित प्रपत्र-14 पर आवेदित एक महीने की अवधि से अधिक न हो, के भीतर कमी मी नियंत्रक, एकस्व को ऐसे विरोध की सूचना विहित प्रपत्र-15 पर दे सकते हैं। विरोध सम्बन्धी लिखित वक्तव्य, उक्त सूचना के साथ अथवा पेटेंट नियम, 1972 के नियम 36 में यथाविहित इसकी तिथि के एक महीने के भीतर ही फाइल किए जाने चाहिए।

'प्रत्येक विनिर्देश के संदर्भ में नीचे दिए वर्गीकरण, भारतीय वर्गीकरण तथा अन्तरराष्ट्रीय वर्गीकरण के अनुरूप है।'

नीचे सूचीगत विनिर्देशों की सीमित संख्या में मुद्रित प्रतियाँ, भारत सरकार बुक डिपो, 8, किरण शंकर राय रोड, कलकत्ता में विक्रय हेतु यथासमय उपलब्ध होगी। प्रत्येक विनिर्देश का मूल्य 2/- रु० है (यदि भारत के बाहर भेजे जाएं तो अतिरिक्त डाक खर्च)। मुद्रित विनिर्देश की आपूर्ति हेतु मांग पत्र के साथ निम्नलिखित सूची में यथाप्रवर्तित विनिर्देशों की संख्या संलग्न रहनी चाहिए।

रूपांकन (चित्र आरेखों) की फोटो प्रतियाँ, यदि कोई हों, के साथ विनिर्देशों की टंकित अथवा फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय, कलकत्ता द्वारा विहित लिप्यान्तरण प्रमार उक्त कार्यालय से पत्र-व्यवहार द्वारा सुनिश्चित करने के उपरांत उसकी आवश्यकता पर की जा सकती है। विनिर्देश की पृष्ठ संख्या के साथ प्रत्येक स्वीकृत विनिर्देश के सामने नीचे वर्णित चित्र आरेख कागजों को जोड़कर उसे 4 से गुणा करके (क्योंकि प्रत्येक पृष्ठ का लिप्यान्तरण प्रमार 4/- रु० है) फोटो लिप्यान्तरण प्रमार का परिकलन किया जा सकता है।

Ind. Cl.: 146 D & 206 E.
Int. Cl.: G02 F3/00.

168021

APPARATUS FOR SCANNING DATA ENCODED IN BIT FORM ON A PLANAR DATA STRIP.

Applicant: CAUZIN SYSTEMS, INCORPORATED, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, OF 835 SOUTH MAIN STREET, WATERBURY CONNECTICUT 06706, UNITED STATES OF AMERICA.

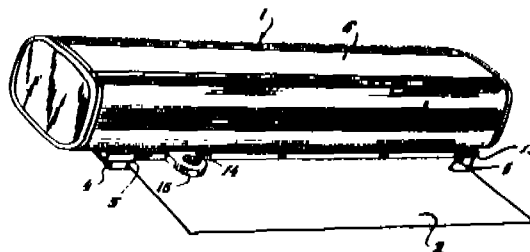
Inventors: ROBERT LOUIS BRASS, JOHN GLABERSON, RICHARD WINDER MASON, ARTHUR JOSEPH L' HEUREUX III, SCOTT SANTULLI, GEORGE THOMAS ROTH, JOHN FREGA, HENRY STANLEY IMIOLEX.

Application for Patent No. 203/Del/86, filed on 5th March 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent office Branch, New Delhi-110005.

27 Claims

An apparatus for scanning data encoded in bit form on a planar data strip, said data strip (3) having a series of data lines of bit areas running transversely across said strip, said data lines being parallel to, contiguous with and conterminous with, each other, whereby the totality of said lines defines the length of said strip, said encoded data being sequentially encoded along each said data line and thereafter along the contiguous said data line, said apparatus having a chassis (20) positionable proximate said data strip (3) and mounted on support means (8, 9) for effecting positioning of the chassis (20), a first cylindrical lens (30, 30) mounted on said chassis parallel to the plane of said data strip (3) and parallel to said data lines, and means (34, 37, 26) connected to said chassis (20) for moving said chassis (20) longitudinally of said strip (3) and perpendicular to said data lines, at least one second cylindrical lens (32, 33) mounted in said chassis parallel to the plane of said data strip (3) and perpendicular to said data lines, and means (40, 44) connected to said second lens (32, 33) for moving said second lens transversely along said first lens, a detector (42) mounted on said chassis (20) at the focal point of said lenses (30, 32), (30, 33) relative to said data strip, whereby bit areas on a given said data line are focussed in sequence on said detector (42) and said data lines are focussed in sequence on said detector (42).



Compl. Specn. 62 Pages.

Drgs. 18 Sheets.

Ind. Cl.: 123, I (4)
Int. Cl.: C05D 1/00.

168022

PRODUCTION OF FERTILIZER GRADE POTASSIUM SALTS AND SIMULTANEOUS RECOVERY OF ALLUMINO-SILICA AS A BY PRODUCT FROM MUSCOVITE MICA.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor: CHANDRIKA VARADACHARI.

Application for Patent No. 604/Del/86 filed on 10th July 1986.

9 Claims

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

A process for the recovery of fertilizer grade potassium salts and simultaneous recovery of alumino silica as a by product from muscovite mica suitable as raw material in producing refractories, which comprises :

(a) grinding/shredding muscovite mica to sizes passing through 80-200 mesh B.S. sieve,

(b) reacting said ground muscovite mica with phosphoric acid at a temperature about 300°C,

(c) boiling the resulting mass from stage (b) with water,

(d) adding organic solvent(s) such as herein described to precipitate a mixture of phosphate and silicates which is separated by filtration of and washed with the said organic solvent(s) to remove the free phosphoric acid, the solvent & phosphoric acid recovered & recycled by known methods,

(e) washing the above phosphate silicate mixture with water to extract the water-soluble part consisting of potassium aluminium phosphate thereof, and obtaining a silico-aluminium poly-phosphates mixture as the residue,

(f) by product alumina silica is recovered from the residue obtained in step (e) by known methods such as herein described,

(g) evaporating the aqueous extract from stage (e) to dryness to produce a soluble phosphate product chiefly containing KH_2PO_4 , H_3PO_4 and converting the soluble phosphate product into a fertilizer-grade product by known methods.

Compl. Specn. 16 Pages.

Drg. Nil.

Ind. Cl. : 194B LXIII (4)

168023

Int. Cl. : B03C3/00.

AN ELECTRO-PRECIPITATOR COLLECTOR ELECTRODE SYSTEM.

Applicant : DRESSER U.K. LIMITED, A BRITISH COMPANY, 197 KNIGHTSBRIDGE LONDON SW7 1RJ, ENGLAND.

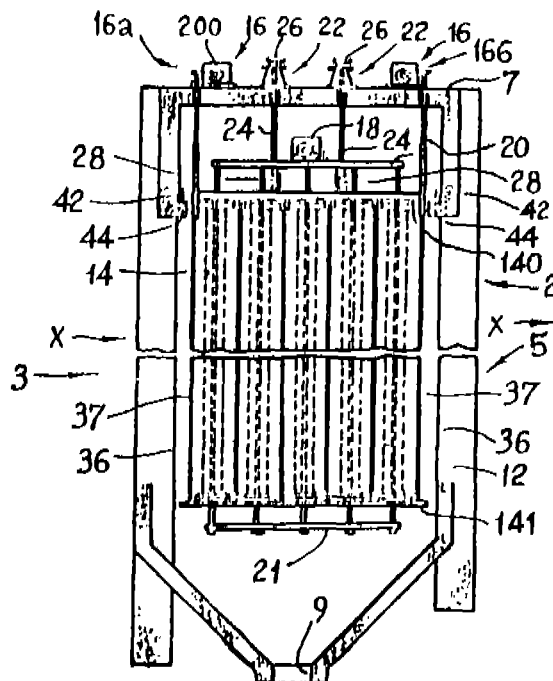
Inventor : ALAN PETER BAYLIS.

Application for Patent No. 785/Del/86 filed on 2nd September 1986.

Convention date 9th September 1985/8522312/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules 1972), Patent Office Branch, New Delhi-5.

An electro-precipitator collector electrode system comprising a collector electrode (12) rigidly secured to a support beam (140) and resiliently suspended by springs (142) provided on the support beam (140) which extends along an upper edge portion of the collector electrode (12), rapping apparatus provided on roof (7) of the casing which supports the said electrode for transmitting rapping blows directly to said collector electrode (12) through anvils (144) coaxial with the said springs (142), rapping blows being applied to the anvils (144) by drop rod hammers (60).



Compl. Specn. 13 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 32 E.

168024

Int. Cl. : C 08 K 3/18.

BLOWING AGENT COMPOSITION.

Applicant : UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MIDDLETOWN, CONNECTICUT 06749, U.S.A.

Inventors : DONALD GEORGE ROWLAND, BYRON ALEXANDER HUNTER, LEE DUANE HANSEN.

Application for the Patent No. 863/Del/86 filed on 30th September 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

13 Claims

A blowing agent composition for manufacturing a foamable polymeric composition, said blowing agent composition comprising (i) azodicarbonamide; (ii) at least one member selected from the group consisting of zinc oxide and zinc carbonate; and (iii) at least one member selected from the group consisting of zinc salts of C_1 — C_6 organic acids such as herein described, and C_1 — C_6 carboxamides, the concentration of component (ii) is between 2 and 25% by weight and the concentration of component (iii) is between 0.5 and 50% by weight, based on the weight of azodicarbonamide present in said composition.

Compl. Specn. 30 Pages.

Drg. Nil.

Ind. Cl. : 157 A4 (L)

168026

Int. Cl.⁴ : B 61 Z 5/00.

APPARATUS FOR REPLACING OLD RAILWAY PANELS.

Applicant : RA NOVA INC., A COMPANY REGISTERED IN ACCORDANCE WITH THE LAWS OF THE REPUBLIC OF PANAMA, OF PANAMA 7, REPUBLIC OF PANAMA.

Inventor : PETER GUNTER KUSEL.

Application for the Patent No. 1004/Del/86 filed on 18th November 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

3 Claims

Apparatus for replacing old railway panels comprising :

(a) a pair of railway trucks having :

- (i) a first truck (12) having a pair of pivoted arms for supporting a new railway panel, the arms being movable between a position in which the panel is vertical and a second position in which the panel is horizontal,
- (ii) a second truck (14) coupled to the first truck for carrying a pair of demountable gantries (20) to be transferred to a standing position over the old railway panel and for returning the gantries to the second truck.

(b) transferring means (26) located on the second truck for the gantries to be transferred to a standing position over the old railway panel and for returning the gantries to the second truck,

(c) railway panel (54, 58) raising and lowering means connected to the gantries,

(d) sliding means for the temporary track between a storage position on the second truck and a position replacing the old railway panel after removal thereof, said means being located on the second truck.

Compl. Specn. 15 Pages.

Drgs. 6 Sheets.

Ind. Cl. : 35 E

168027

Int. Cl.⁴ : C04B 35/16 & 35/18.

PROCESS FOR THE PREPARATION OF NOVEL THERMALLY BONDED FIBROUS PRODUCTS.

Applicant : THERMAL CERMICS, INC., A DELAWARE CORPORATION, UNITED STATES OF AMERICA, OF P.O. BOX 923, OLD SAVANNAH ROAD, AUGUST, GEORGIA 3093-0923, UNITED STATES OF AMERICA.

Inventor : CHARLES ALEXANDER HILL.

Application for Patent No. 1115/Del/86 filed on 18th December 1986.

Appropriate Office for Opposition Proceedings (Rule 4 Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

Ind. Cl. : 146D1 [XXXVIII (2)]

168025

Int. Cl.⁴ : G01 J 3/10 3/46.

AN OPTICAL FIBER SPECTROMETER/COLORIMETER APPARATUS.

Applicant : BERTIN & CIE, A FRENCH COMPANY, OF B.P. NO. 3, F-78373 PLAISIR CEDEX, FRANCE.

Inventors : MICHELE LEQUIME, JOCELYN MILILET & JEAN DEBRIE.

Application for Patent No. 983/Del/86 filed on 10th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

16 Claims

An optical fiber spectrometer/colorimeter apparatus, wherein said apparatus is essentially constituted by the association of a controlling microprocessor (10) and an opto-electronic printed circuit card (12) bearing the following items : a spectrometer (14) including an inlet (16) and a mosaic of detectors (20) ;

at least two optical fiber measurement paths (28) ending at the inlet (16) of the spectrometer, and fitted with shutters (34) enabling the measurement paths to be switched;

wavelength calibration means for the detectors (20), comprising two reference emitters (24) connected by optical fiber calibration paths (26) to the inlet (16) of the spectrometer; and

electronic circuits (22) for reading the detectors (20).

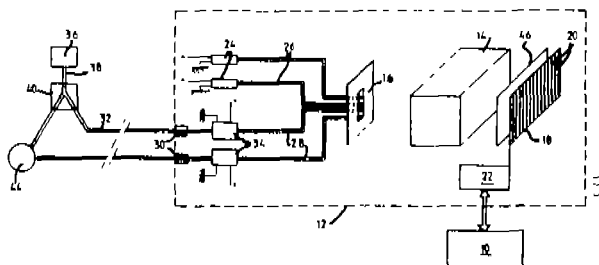


Fig. 1.

Compl. Specn. 15 Pages

Drg. 1 Sheet.

10 Claims

A process for the preparation of novel thermally bonded fibrous products as hereinafter defined having enhanced thermal insulating value, high modulus of rupture and low density, which process comprises blending together as a slurry in water, aluminosilicate fibres, silica powder and boron nitride powder to form a blend, the blend comprising on a dry weight basis aluminosilicate fibre 75% to 89.5% silica powder 7.2% to 20% and boron nitride powder 3.3 to 5%, forming said blend into individual units of the desired shape, and sintering the shaped units at a temperature of at least 2350°F to provide the thermally bonded fibrous products.

Compl. Specn. 9 Pages.

Dr. Nil.

Ind. Cl. : 84 B.

168028

Int. Cl.⁴ : C10L 1/14.

A COMPOSITION FOR REDUCING THE DEPOSITS OF UNBURNT PARTICLES REMAINING WITHIN THE COMBUSTION CHAMBERS OF HEAT GENERATORS.

Applicant & Inventor : GERMAN ROSENBLUTH, A FRENCH CITIZEN OF 44, RUE EMILE LEPEU, 75011 PARIS, FRANCE.

Application for Patent No. 1129/Del/86 filed on 23rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A composition for reducing the deposits of unburnt particles remaining within the combustion chambers of heat generators which comprises a synergistic mixture of water-soluble organic salts of an alkali metal, present in an amount of from 10 to 20% by wt. of said composition, salts of rare-earth metal, present in an amount of 15 to 20% by wt. of said composition, and water in an amount of from 65 to 70% by wt. of said composition.

Compl. Specn. 18 Pages.

Dr. Nil.

Ind. Cl. : 68 D LVII (3).

168029

Int. Cl.⁴ : H 02 G 13/00.

A SURGE ARRESTER AND METHOD FOR MANUFACTURING THE SAME.

Applicant : BOWTHORPE EMPI LIMITED, A BRITISH COMPANY, OF STEVENSON ROAD, BRIGHTON, EAST SUSSEX, ENGLAND.

Inventors : RODNEY MIREDDITH DOONE & HENRY JOHN.

Application for Patent No. 57/Del/87 filed on 28th January, 1987.

Convention date January 29th 1986/8602112/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

19 Claims

A surge arrester (1) comprising a first and second terminal blocks, (4) a plurality of varistor blocks (2) located in face to face contact between said first and second terminal blocks to constitute an elongate core, a rigid shell (5) of reinforced rigid plastics material encasing said core and bonded to the peripheral surfaces of said blocks, and a shedded outer housing on said core, said shedded outer housing comprising at least one of a sleeve (6) of polymeric heat-shrink material, a shrunk elastomeric material and a weather proof sealant and an in situ moulded synthetic plastics material between the core and the heat shrink or elastomeric material.

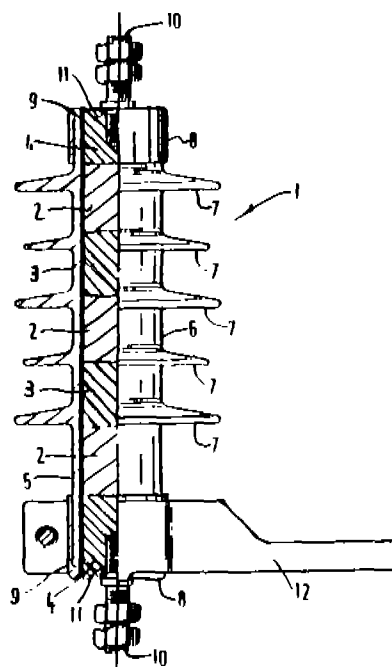


Fig. 1

Compl. Specn. 37 Pages.

Dr. 8 Sheets.

Ind. Cl. : 10 B.

168030

Int. Cl.⁴ : F 42 C 19/02.

REINFORCED FUSE TUBE WHICH RESISTS LONGITUDINAL DEFORMATION FOR USE IN THE TRANSMISSION OF ENERGY AND APPARATUS FOR MANUFACTURING SUCH REINFORCED FUSE TUBE.

Applicant : ATLAS POWDER COMPANY, A CORPORATION OF THE STATE OF DELAWARE OF 15301 DALLAS PARKWAY, THE COLONNADE, SUITE 1200, DALLAS, DALLAS COUNTY, TEXAS 75248, UNITED STATES OF AMERICA.

Inventors : DAVID RICHARD ZOGHBY, LEON HINES FRANCIS THOMAS DAVID SAMPSON.

Application for Patent No. 344/Del/87 filed on 20th April, 1987.

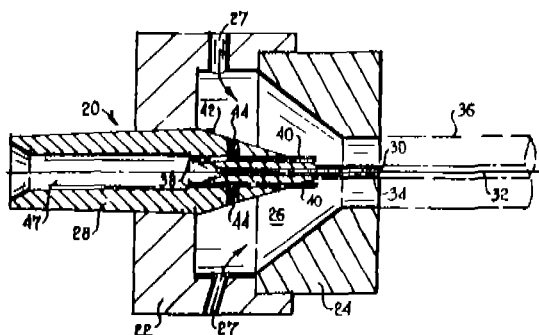
Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A reinforced fuse tube which resists longitudinal deformation for use in the transmission of energy comprising:

(a) a wall (12) comprised of low yield strength plastic providing a passageway therethrough for containing a reactive element therein; and

(b) at least one reinforcement yarn (16) of a high tenacity material exhibiting less than 15% elongation at failure provided in said wall, (12) said yarn (16) being positioned substantially parallel to the longitudinal axis (32) of said fuse tube and whereby said reinforced yarn (16) fails when said fuse tube is elongated about 4% such failure causing a visible depression on the tube in the area of failure.



Compl. Specn. 20 Pages.

Drg. 1 Sheet.

Ind. Cl. : 85-J—[GROUP-XXXI].

168031

Int. Cl.⁴ : F 27 B 1/10.

APPARATUS FOR SUSPENDING A GENERALLY TUBULAR BAKING FURNACE ABOUT AN ELONGATE CARBONACEOUS WORKPIECE.

Applicant: ELKEM a/s, A COMPANY INCORPORATED UNDER THE LAWS OF NORWAY OF MIDDELTHUNSGATE 27, OSLO 3, NORWAY.

Inventor: HENRIK M. KVIVIK.

Application No. 649/Maa/86 filed on August 12, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

21 Claims

Apparatus for suspending a generally tubular baking furnace about an elongate carbonaceous workpiece comprising: a baking furnace frame; a guide system for guiding the workpiece through the furnace along a guidance axis; and support members connecting the furnace to the frame thereby suspending the furnace in such manner that it is pivotable about axes transverse to the guidance axis.

Compl. Specn. 14 Pages.

Drgs. 4 Sheets.

Ind. Cl. : 62 C₂ [GROUP XXII(1)]

168032

Int. Cl.⁴ : C 09 B 67/22

DYESTUFF MIXTURE AND A PROCESS FOR PREPARING THE SAME.

Applicant: CASSELLA AKTIENGESELLSCHAFT, OF HANAUER LANDSTR. 526, D-6000 FRANKFURT AM MAIN, A BODY CORPORATE ORGANISED UNDER THE LAWS OF WEST-GERMANY.

Inventors: (1) HORST TAPPE, (2) HUBERT KRUSE, (3) REINHARD KUHN (4) ALBERT BODE, (5) MARGARETA BOOS.

Application No. 672/Maa/86 filed on 21st August, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

Dyestuff mixture consisting of as component I at least one dyestuff of the formula I of the accompanying drawings and as component II

as least one dyestuff of the formula II in which X and Y₁ are identical or different and denote chlorine or bromine, R₂ denotes hydrogen or one of the radicals listed under R², R₃ denotes hydrogen or one of the radicals listed under R³, R₄ denotes ethyl, n- or i-propyl and R⁴ denote methyl, ethyl, n- or i-propyl.

R⁵ and R⁶ are identical or different and denote C₁-to C₁₁-alkyl which can be substituted by chlorine, bromine, cyano, phenyl, phenoxy, hydroxyl, (C₁-to-C₄-alkyl)-carbonyloxy, (C₁-to-C₄-alkoxy)-carbonyl, phenylcarbonyloxy, (C₁-to-C₃-alkenyl)-carbonyloxy, (C₁-to-C₄-alkoxy)-carbonyloxy, phenoxy-carbonyloxy, tetrahydrofurfuryl, (C₁-to-C₄-alkyl)-tetrahydrofurfuryl, tetrahydropyranyl or (C₁-to-C₄-alkyl)-tetrahydropyranyl and/or be interrupted by 1-3 O-atoms, C₁-to-C₄ alkoxy, C₃ or C₄-alkenyl, cyclohexyl, optionally chlorine-, bromine-, nitro-, cyano-, C₁-to-C₄-alkyl- or alkoxy-substituted benzyl and wherein the weight ratio of component I and II is between 20 to 99 : 80 to 1.

Compl. Specn. 17 Pages.

Drg. 1 Sheet.

Ind. Cl. : 32 E [GROUP IX (1)]

168033

Int. Cl.⁴ : C 08 F 114/06, C 08 F 214/06

A PROCESS FOR THE PREPARATION OF A HOMO OR CO-POLYMER VINYLCHLORIDE LATEX.

Applicant: ATOCHEM, A FRENCH BODY CORPORATE OF 4 & 8 COURS MICHELET, LA DEFENSE 10, 92880 PUTEAUX, FRANCE.

Inventor: DANIEL BRULET.

Application No. 709/Maa/86 filed on 2nd September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

8 Claims

A process for the preparation of a homo or co-polymer vinyl-chloride latex comprising dispersing one or more monomers of the desired homo or co-polymer in an aqueous medium containing parabenzquinone and at least one anionic emulsifier, optionally with at least one monionic emulsifier and at least one known organo-soluble polymerization initiator capable of releasing active oxygen, the said initiator being in an amount in the range of 0.004 to 0.16 gm moles of initiator per 100 gms of said monomer(s), to produce a dispersion containing particles of a mean diameter in the range of 0.2 to 0.8 μm, polymerizing the resultant dispersion at a temperature of θ_n, which is

in the range of 30° to 65°, continuously adding para-benzoquinone limiting the rise of temperature to 62 during polymerization the difference of temperatures $\theta_2 - \theta_1$ being in the range of 0 to 6°C, recovering the homo or copolymer vinylchloride latex in a known manner.

Compl. Specn. 14 Pages.

Drgs. Nil.

Ind. Cl: 32-F. 3(a)—[GROUP-IX(1)]
Int. Cl.⁴: C 07 C 47/00.

168034

A HYDROFORMYLATION PROCESS FOR PRODUCING ALDEHYDES.

Applicant: UNION CARBIDE CORPORATION, A CORPORATION ORGANIZED UNDER THE LAWS OF THE STATE OF NEW YORK, OF OLD RIDGEBURY ROAD, DANBURY, STATE OF CONNECTICUT 06817, UNITED STATES OF AMERICA.

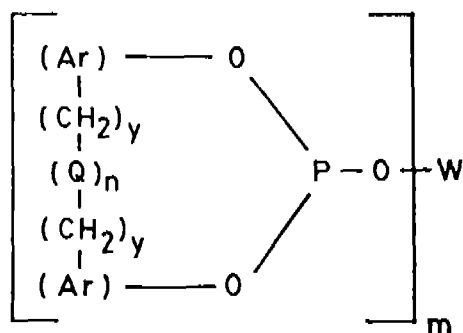
Inventors: (1) ERNST (nmn) BILLIG, (2) ANTHONY GEORGE ABATJOGLOU, (3) DAVID ROBERT BRYANT.

Application No. 713/Mas/86 filed on September 4, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A hydroformylation process for producing aldehydes which comprises reacting an olefinically unsaturated compound selected from the group consisting of alpha-olefins containing from 2 to 20 carbon atoms, internal olefins containing from 4 to 20 carbon atoms, and mixtures of such alpha and internal olefins with carbon monoxide and hydrogen in the presence of a rhodium-poly-phosphite complex catalyst consisting of rhodium-complexed with carbon monoxide and a poly-phosphite ligand having the formula I of the accompanying drawings,



Formula 1

wherein each Ar group contains from 6 to 18 carbon atoms and represents an identical or different substituted or unsubstituted aryl radical; wherein W represents a m-valent radical containing from 2 to 30 carbon atoms, selected from the group consisting of alkylene, alkylene-oxy-alkylene, arylene and arylene-(CH₂)_y-(Q)_n-(CH₂)_y-arylene, wherein each arylene radical is the same as Ar defined above; wherein each y individually has a value of 0 or 1; wherein each Q individually represents a divalent bridging group selected from the class consisting of —Cr¹R²—, —O—, —S—, —NR³—, —SiR⁴R⁵— and —CO—, wherein each R¹ and R² radical individually represents a radical selected from the group consisting of hydrogen alkyl of 1 to 12 carbon atoms, phenyl, tolyl, and anisyl, wherein each R³, R⁴, R⁵ radical individually represents —H or —CH₃; wherein each n has a value of 0 or 1; and wherein m has a value of 2 to 6; and in the presence of a free poly-phosphite ligand having the formula I of the accompanying drawings wherein the hydroformylation reaction conditions comprise, a reaction temperature

in the range of from 50°C to 120°C, a total gas pressure of hydrogen, a carbon monoxide and olefinically unsaturated organic compound of from 2 to 1500 psia, a hydrogen partial pressure of from 1.1 to 160 psia, a carbon monoxide partial pressure of from 1 to 120 psia, and wherein the reaction medium contains from 4 to 100 moles of said poly-phosphite ligand per mole of rhodium in said medium.

Compl. Specn. 64 Pages.

Drgs. 14 Sheets.

Ind. Cl: 185 B [GROUP XVIII].
Int. Cl.⁴: A 23 F 3/08.

168035

A MACHINE FOR FERMENTING TEA.

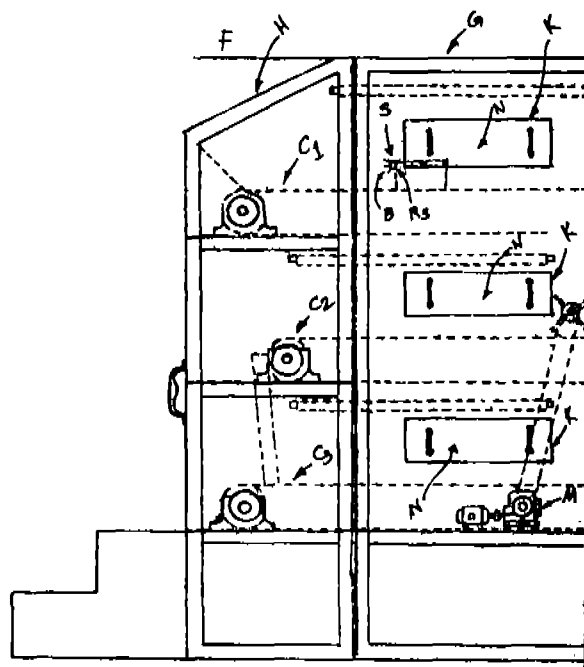
Applicant & Inventor: HARIPRASAD PRASANNA, 240 T.T.K. ROAD, (MOWBRAYS ROAD), MADRAS-600018, TAMIL NADU, INDIA, INDIAN NATIONAL.

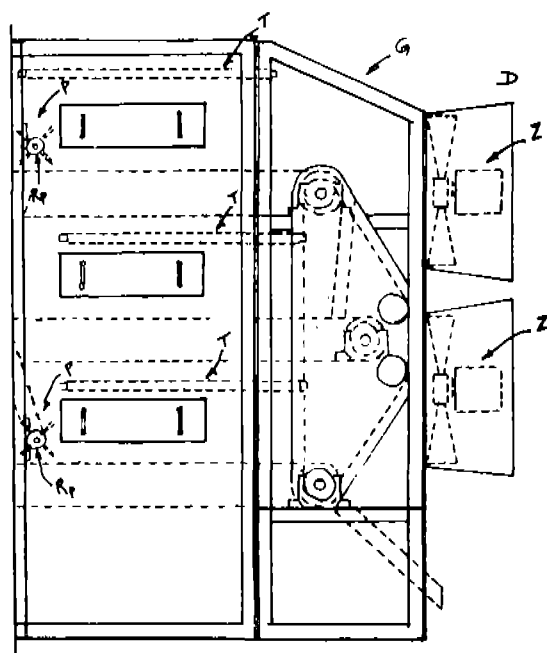
Application No. 719/Mas/86 filed on 8th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

7 Claims

A machine for fermenting tea comprising a chamber housing a plurality of conveyors disposed one over the other for conveying tea leaves from the inlet of the chamber to its outlet, one or more ultraviolet tubes or bulbs within the chamber and over each conveyor, for emitting ultraviolet radiation on the conveyed tea dhools; at least one rotary spreader within the chamber and over each conveyor, the spreader consisting of a roller with peripheral blades for uniformly spreading the tea dhools on the conveyor and thus regulating the thickness of the tea dhool layer thereon, characterised in that the conveyors are disposed one over the other and provided with means for driving them alternately in opposed directions and in that at least one rotary plough is provided within the chamber and over each conveyor, the plough consisting of a roller with peripheral blades, needles or like members for raking the tea dhools over the conveyor and uniformly exposing the same to ultraviolet radiation before being discharged at the outlet end.





Compl. Specn. 9 Pages.

Drgs. 3 Sheets.

Ind. Cl. : 32 E [GROUP IX (1)].
Int. Cl.⁴ : C 08 F 283/00.

168036

A PROCESS FOR PRODUCING A CASTABLE THERMOSETTING RESIN.

Applicant : FORMICA CORPORATION, HAVING A PLACE OF BUSINESS AT 155 RT. 46 WEST, WAYNE, NEW JERSEY 07470, A CORPORATION OF THE STATE OF DELAWARE, U.S.A.

Inventors : (1) ROBERT DEAN WILLIAMS, (2) BUD GEORGE STRUBLE.

Application No. 720/Maa/86 filed on 8th September, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

6 Claims

A process for producing a castable thermosetting resin comprising the steps :

- (a) formulating a mixture of liquid unsaturated thermosetting polyester resin, such as propylene glycol esterified with adipic and maleic anhydride, including cross-linking monomer, such as styrene, a filler and catalyst such as methyl ethyl ketone peroxide to form a blend;
- (b) subjecting said blend to a vacuum of a predetermined time and magnitude while concurrently shearing said blend to deaerate said blend of entrapped air bubbles; and
- (c) subjecting said deaerated blend to a pressurization of at least 1.7 atmospheres and for a time of at least 5 minutes

to cause reincorporation of monomer devolved during said vacuum and shearing step to form a matrix capable of setting and curing in a non-porous machinable causing.

Compl. Specn. 23 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 161-A—[GROUP-XXVII(3)].
Int. Cl.⁴ : E 01 C 19/23.

168037

SELF-PROPELLED ROAD ROLLER.

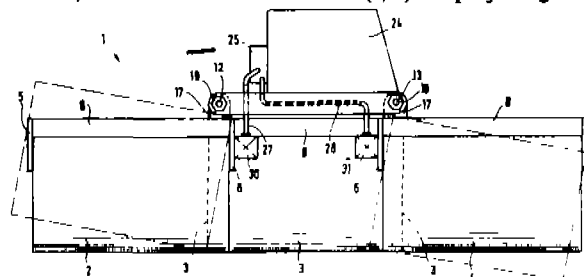
Applicant & Inventor : BENNO KALTENEGGER, OF AUF DEM HOHEN UFER 14, D-5205 ST. AUGUSTIN 3, FEDERAL REPUBLIC OF GERMANY, A GERMAN NATIONAL.

Application No. 733/Maa/86 filed on September 12, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

13 Claims

Self-propelled road roller for rolling off and compacting ground, comprising at least three driven roller drums of which the central drum is provided to be offset in travel direction relative to the two lateral roller drums and to cover the roller track, the roller drums being interconnected and the ends of the central roller drum (3) being hinge-connected to the two inner ends of the two lateral roller drums (2, 4) by a respective common hinge means (10, 11) extending in travel direction, while the lateral roller drum (2, 4) are projecting freely.



Compl. Specn. 13 Pages.

Drgs. 4 Sheets.

Ind. Cl. : 54 [GROUP XIV (3)].
Int. Cl.⁴ : A 23 F 3/16, A 23 F 5/24.

168038

A PROCESS FOR PREPARING AN ANTIFOAM CONTAINING VEGETABLE EXTRACT SUCH AS EXTRACTS OF COFFEE OR TEA.

Applicant : SOCIETE DES PRODUITS NESTLE S.A. CASE POSTALE 353, 1800 VEVEY, SWITZERLAND, A COMPANY INCORPORATED IN SWITZERLAND.

Inventors : (1) SHENG-HSIUNG SHU (2) SCOTT WESTFALL.

Application No. 795/Maa/86 filed on 8th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, Madras.

5 Claims

A process of preparing an antifoam containing vegetable extract such as extracts of coffee or tea comprising (a) reacting a vegetable oil such as herein described with a source of calcium and/or magnesium ions in an amount of 0.2 moles to 15 moles per kg of said oil under alkaline conditions in the presence of water at a temperature of 65°C to 180°C for 20 minutes to 36 hours to form an antifoam, (b) combining said antifoam with the said vegetable extract such as herein described said vegetable oil being derived from plants of the same species in a known manner.

Compl. Specn. 21 Pages.

Drg. NIL.

Ind. Cl.: 64-B2—[GROUP-LVIII (4)]
Int. Cl.: H 01 H 9/00

168039

AN ELECTRICAL COMPONENT ASSEMBLY.

Applicant: MK ELECTRIC LIMITED, OF SHRUBBERY ROAD, EDMONTON, LONDON N9 0PB, ENGLAND, A COMPANY REGISTERED UNDER THE LAWS OF GREAT BRITAIN.

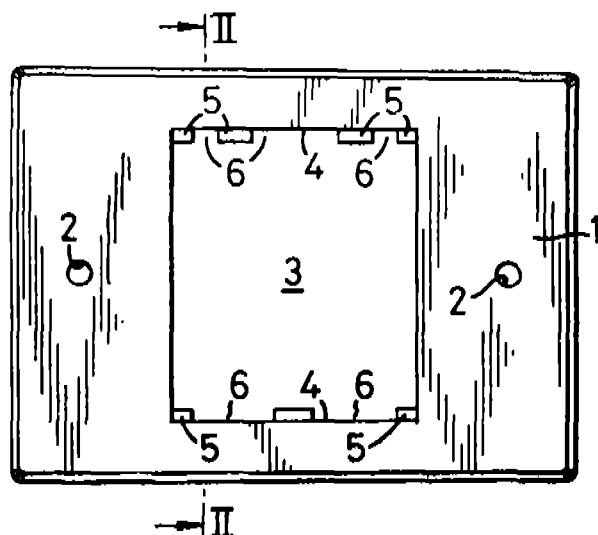
Inventor: NORMAN EDWARD BRUCE REYNOLDS.

Application No. 838/Mas/86 filed on October 27, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

9 Claims

An electrical component assembly comprising a support plate provided with an aperture and at least one electrical accessory to fit within the aperture, the accessory including a rectangular front plate, the support plate comprising projections extending from opposite interior surfaces of the aperture into the aperture and abutting a rear surface of the accessory when the accessory is fitted in the aperture, and the rear surface of both of opposite side of the front plate comprising rearwardly extending resilient prongs having outwardly directed flanges to engage a rear surface of the support plate, so that the accessory may be inserted in the aperture while a force is exerted on the prongs to deform them inwardly, and after release of said force the accessory is held in place by abutment of said projections, which engage the ends of the front plate bearing the prongs, and by abutment of said flanges with the support plate, and the accessory comprising accessory body behind the front plate, the body having an outwardly projecting step at one of said opposite sides located to occupy a space between projections on the respective interior surface of the aperture when the accessory is fitted in the aperture and the opposite interior surface of the aperture has a projection to abut said step and prevent the accessory being fitted in the aperture in an inverted or otherwise incorrect position.



Compl. Specn. 16 Pages.

Drgs. 4 Sheets.

Ind. Cl.: 127-I [GROUP-LXV (I)]
Int. Cl.: F 16 H 37/00

168040

A PRESELECTED MULTI-RATIO POWER TRANSMISSION.

Applicant: GENERAL MOTORS CORPORATION, AN AMERICAN COMPANY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE, IN THE UNITED STATES OF AMERICA, OF 3044, WEST GRAND BOULEVARD, DETROIT, MICHIGAN 48202 UNITED STATES OF AMERICA.

Inventor: JAMES CASIMIR POLAK.

Application No. 909/Mas/86 filed on 26th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Madras Branch.

4 Claims

A preselected multi-ratio power transmission in which input means (12) for transmitting drive forces is connected for driving output means (14) by way of a plurality of ratio gear means (22, 30; 24, 38; 26, 40; 28, 44) having an associated selectively engageable double-acting synchroniser clutch (34), with provisions for both sequential and skip-shifting patterns, characterised in that first, second and third friction clutch means (16, 18, 20) are each selectively engageable with the input means (12) for accepting drive forces therefrom, the ratio gear means (22, 30; 24, 38; 26, 40; 28, 44) comprise first input gear means (22, 24) drivingly connected to the first friction clutch means (16), second input gear means (26) drivingly connected to the second friction clutch means (18), third input gear means (28) drivingly connected to the third friction clutch means (20), first output gear means (30) drivingly connected to the first input gear means (22, 24), second output gear means (38, 40) drivingly connected to the first (22, 24) and second (26) input gear means, and third output gear means (44) drivingly connected between the third input gear means (28) and the output means (14), reverse gear means (46, 50) is drivingly connected between the first input gear means (22, 24) and the third output gear means (44) and includes a selectively engageable mechanical clutch means (48), the double-acting synchroniser clutch (34) is actuable for effecting selective engagement of the first output gear means (30) with the output means (14) and alternatively of the second output gear means (38, 40) with the output means (14), the first friction clutch means (16) and the double-acting synchroniser clutch (34) when engaged co-operate to establish two drive ratios between the input (34) (12) and output (14) means, the second friction clutch means (18) and the double-acting synchroniser clutch (34) when engaged co-operate to establish two other drive ratios between the input (12) and the output (14) means, the third friction clutch means (20) when engaged provides another drive ratio between the input (12) and output (14) means which is numerically central of the first-mentioned two drive ratios and also of the second-mentioned two drive ratios, and the first friction clutch means (16) and the mechanical clutch means (48) are simultaneously engageable to establish a reverse drive ratio between the input (12) and output (14) means.

Compl. Specn. 11 Pages

Drg. 1 Sheet

Ind. Cl.: 174 D.
Int. Cl.: B 60 G 11/00, 13/00.

168041

SUSPENSION SYSTEM FOR USE IN A VEHICLE.

Applicant: GKN TECHNOLOGY LIMITED, A BRITISH COMPANY, OF BIRMINGHAM NEW ROAD, WOLVERHAMPTON, WEST MIDLANDS WV4 6BW, ENGLAND.

Inventor: GEOFFREY DAVID SCOWEN, & JOSEPH CYRIL JOHNSON CROUCH.

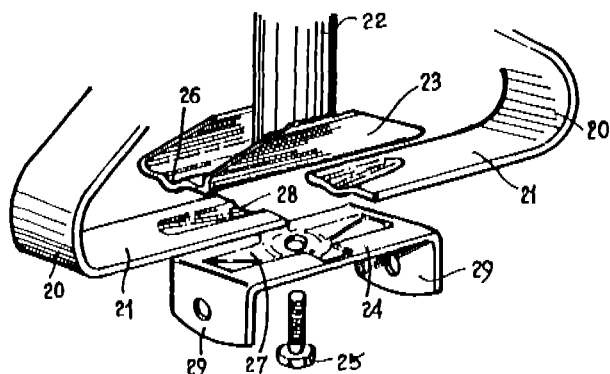
Application for Patent No. 576/Del/86 filed on 1st July, 1986.

Convention date July 11, 1985/8517575/(U.K.).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch, New Delhi-110005.

13 Claims

Suspension system for use in a vehicle, said suspension system having two springs of fibre-reinforced plastics material, each said spring being in the form of a zig-zag having a plurality of limbs (18) connected by reflex portions (19, 20) said springs being provided in mirror image of each other on opposite sides of a damper (22, 23) of telescopic type consisting of (40, 41) two members (51, 52) movable relative to each other along an axis, the limbs (18) and reflex portions of the springs and the telescopic axis of the damper (22, 32) all laying in substantially a single plane, and mounting means for mounting said springs being connected to one or other of the members (40, 41) (51, 52) constituting said damper (22, 32) and comprising a fixed element (23, 56) said elements (23, 24) defining spaces therebetween into which the limb portions (21, 54) at the end of said springs extend and are held in clamped relationship between (23, 24) said (56, 55) two elements.



Compl. Specn. 16 Pages

Drgs. 4 Sheets

Ind. Cl.: 127 H
Int. Cl.: F 16 B 1/00

168042

A DEVICE FOR PREVENTING REVERSAL OF THE MOVEMENT OF RELATIVE DISPLACEMENT OF TWO COMPONENTS CONSISTING RESPECTIVELY OF A MALE PART AND A FEMALE COUNTERPART, ONE COMPONENT BEING ACTUATED BY HAND.

Applicant: SOCIETE D' EXPLOITATION DES PROCEDS MARECHAL (SEPM), A FRENCH COMPANY, OF 92 AVENUE DE SAINT MANDE, 75012 PARIS FRANCH.

Inventor: JOSEPH CRESTIN.

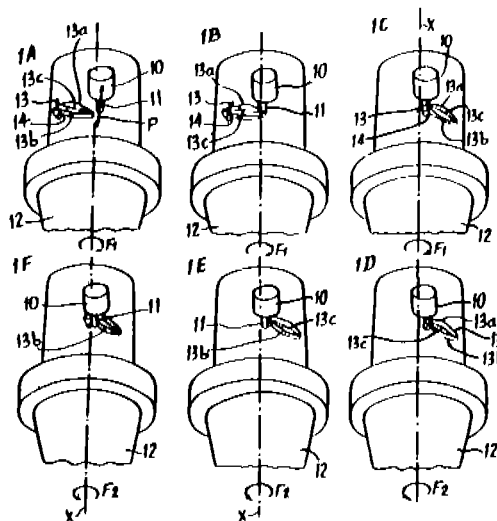
Application for Patent No. 614/Del/86 filed on 11th July, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A device for preventing reversal of the movement of relative displacement of two components, consisting respectively of a male part and a female counterpart, one component being actuated by hand in a first direction of displacement and then in the opposite direction, characterised in that said device is constituted on the one hand by a stud mounted within a support which is rigidly fixed to one of said

components, said stud being moveable in a plane perpendicular to the general direction of the movement of relative displacement and being positioned at an intermediate rest position under the action of a resilient element, and on the other hand by a stud-guiding ramp provided on the second component and having a general direction substantially parallel to that of the aforesaid movement of relative displacement, said guide ramp being provided at one point with an abutment surface which is substantially perpendicular to the movement of relative displacement, said stud being located opposite to said abutment surface at the instant the movement of displacement reaches the position beyond which a reversal of the direction of operation is forbidden.



Compl. Specn. 13 Pages

Drgs. 2 Sheets

Ind. Cl.: 146 (C+E)
Int. Cl.: H 01V 1/00.

168043

MOUNTING FOR THERMOELECTRIC MODULE.

Applicant: VAPOR CORPORATION, A DELAWARE CORPORATION OF 6420 W. HOWARD STREET, CHICAGO, ILLINOIS 60648, UNITED STATES OF AMERICA.

Inventor: SHLOMO BEITIER.

Application for the Patent No. 524/Del/1986, filed on 13th June, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

Mounting for a thermoelectric module (12), of the type having a current carrying thermoelectric element sandwiched between a pair of spaced frangible, parallel substrates (14, 16), the module being disposed between two spaced heat conducting members (20, 24) each of which respectively abuts one of the substrates (14, 16) of the module (12) in a snug heat conducting contact therewith, comprising a clamping and spring means (60, 62, 40) operatively associated with the two heat conducting members (20, 24) and having an elongate spring member (40) the intermediate portion (44) of which being shaped to be offset from the plane of the neighbouring portions of the

spring member (40) which are operatively connected with clamping means extending through the heat conducting members transversely to the plane of the thermoelectric element, said offset portion (44) of said spring member (40) being provided to apply a pressure force against the heat conducting member (20) in a region that is axially aligned with one of the substrates (14) of the module, wherein said spring member is at least one leaf spring (40) having an intermediate portion (44) being shaped offset from the neighbouring end portions of the leaf spring (40) and that said clamping means comprises two clamp bolts (60, 62) and two limiting tubes (50) surrounding the clamp bolts (60, 62) which are operatively associated with one of the end portions of the leaf spring (40) and abut on a heat conducting member (24) to limit the amount of clamping force and to provide substantially uniform pressure against the substrate (14) of the module positions between the spaced heat conducting members (20, 24).

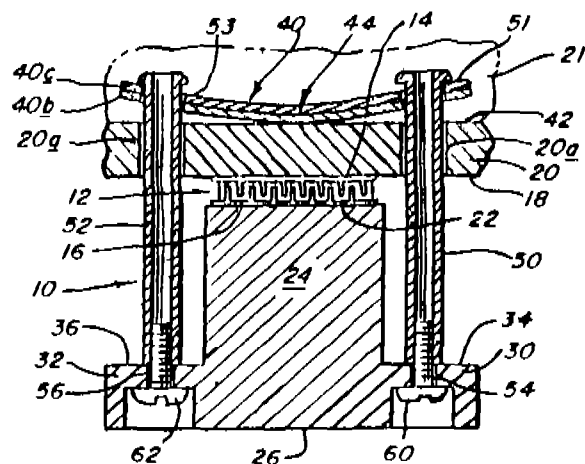


Fig. 1

Compl. Specn. 15 Pages.

Drgs. 2 Sheets.

Ind. Cl.: 187C4.
Int. Cl.: H04M 3.00.

168044

AN IMPROVED ELECTRONIC CHIP.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJ MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860)

Inventors: TAVARAGIRI RAGHAVENDRA, ASHA SHARMA, GURMEET SINGH, SURINDER SINGH KOLLENGODE VISWANATHA RAMKRISHNAN, CHITTI SURYA RAO, KASHINATH DADASAHEB PAVATE & SYAMAL KUMAR LAHIRI

Application for Patent No. 638/Del/86 filed on 17th July, 1986.

Complete specification left on 19 October, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

An improved electronic chip (2) which comprises a Unit Matrix Element (UME) arranged in a 4×4 matrix, each of the 16 unit matrix element consisting of a pair of 2-input NOR gate and 3 input NOR gate, having four rows corresponding to four subscribers (9) each of the four rows control logic circuit consisting of a 3-input NOR gate,

an inverter (2) and a 2-input NOR gate and four columns corresponding to four links, (11, 12) each of the four column control logic consisting of two 3-input NOR gates and an inverter (3), the Unit Matrix Element having 16 input terminals (RRP₁—RRP₄, BRAD₁—BRAD₄, CAMP₁—CAMP₄, RCP₁—RCP₄) and 16 output terminals (011—014, 022—024, 033—04, 041—044), 8 input terminals being received from Row Control Logic and the other 8 input terminals being received from Column Control Logic, output terminals being connected to a subscriber card of an electronic telephone exchange system, the Column Controlled Logic having 4 input terminals (SMP, RCP, CAD1, CAD0) received from the computer of the electronic exchange system, 8 output terminals (CAMP₁—CAMP₄ and RCP₁—RCP₄) serving as inputs to the Unit Matrix Element as stated above, the Row Controlled Logic having 4 input terminals (RAD₀, RAD₁, BAD & RRP), received from the computer and 8 output terminals (BRAD₁—BRAD₄, RRP₁—RRP₄) being the inputs to the Unit Matrix Element and 4 out of the output terminals (BRAD₁—BRAD₄) also being the inputs to the Ring Control and Status Logic, each of the four ring relay control logic circuit consisting of three 2-input NOR gates and a 3-input NOR gate, the Ring Control and Status Logic having total 10 inputs (BRAD₁—BRAD₄, SRNG, RRNG, STTS1 n—STTS4 n) 4 of which (BRAD₁—BRAD₄) coming from Row Control Logic, 2 (SRNG, RRNG) from the computer of the electronic exchange system, the remaining 4 (STTS1 n—STTS4 n) coming from the subscriber card of the electronic exchange system, the Ring Control and Status Logic having 5 outputs (STTS_{out}, RRG₁—RRG₄) one of which (STTS_{out}) being connected to the computer of the electronic exchange system, remaining 4 (RING₁—RING₄) connections to the subscriber card of the electronic exchange system.

Compl. Specn. 6 Pages.

Drgs. 3 Sheets.

Ind. Cl.: 84B.

168045

Int. Cl.: C 10L 1/10.

A FUEL COMPOSITION FOR AN INTERNAL COMBUSTION ENGINE.

Applicant: THE LUBRIZOL CORPORATION OF 29400 LAKELAND BOULEVARD WICKLIFFE, OHIO 44092 U.S.A. A CORPORATION OF THE STATE OF OHIO, U.S.A.

Inventors: CASPER JOHN DORER & REED HUBER WALSH.

Application for Patent No. 928/Del/86, filed on 21st October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

23 Claims

A fuel composition for an internal combustion engine, comprising a liquid hydrocarbon fuel such as herein described; and a hydrocarbon-soluble dispersant which is the reaction product of (A—1) a first acylating agent selected from the group consisting of monocarboxylic acids, polycarboxylic acids and anhydrides thereof, the acylating agent having a substituent group containing an average of at least about 10 aliphatic carbon atoms, (A—2) an alkanol amine; and (B) a second acylating agent in the form of an aromatic mono or polycarboxylic acid or anhydride, the total number of carbon atoms in the first and second acylating agents (A—1) and (B) being sufficient to render the dispersant hydrocarbon-soluble wherein the equivalent ratio of (A—1); (A—2); (B) is in the range of 1: (0.5 to 2); (0.05 to 2), said dispersant being present in an amount of 5 to 5000 parts by weight per million parts by weight of fuel.

Compl. Specn. 48 Pages.

Drg. Nil.

Ind. Cl. : 136E.

168046

Int. Cl.⁴ : B29C 33/00, 33/02 & 45/00.**A MOULDING APPARATUS FOR INJECTION MOULDING THREADED PLASTIC CLOSURE ARTICLES.**

Applicant : WILFRIED DREYFUSS, OF DORFSTRASSE 52, 3111 EIMKE, FEDERAL REPUBLIC OF GERMANY, A GERMAN CITIZEN AND THOMAS EDWARD REMPEL, STATES OF AMERICA, A U.S. CITIZEN.

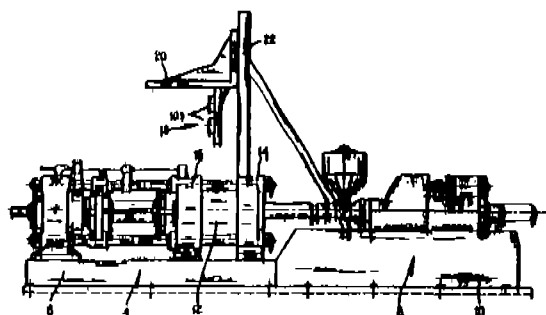
Inventor : KURT MULLER.

Application for Patent No. 946/Del/86 filed on 27th October 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A moulding apparatus for injection moulding threaded plastic closure articles such as caps and stoppers with or without an imbedded reinforcing cage which comprises an injection unit (8) closing unit (4) connected to said injection unit (8) an injection mold (12) mounted upon said closing unit (4), said injection mold consisting of a movable mold element (38) and a fixed mold element (40), a threading means located in said movable half of said injection mold characterized by a rotating tool means (18) mounted on said closing unit and being displaceable between a first position spaced from said movable and fixed mold element and a second position disposed therebetween and cooperating with the molded article to enable said molded article to be unscrewed from said threaded means, and centering pins (54, 58, 58) mounted on said movable element of said injection mold to radially and axially center said core.



Compl. Specn. 11 Pages.

Drgs. 4 Sheets.

Ind. Cl. : 94 G H

168047

Int. Cl.⁴ : B02 C 4/00.**APPARATUS FOR THE COMMUNITION AND GRINDING OF DAMP BRITTLE GRINDING STOCK.**

Applicant : KLOCKNER-HUMBOLDT-DEUTZ AKTIENGESELLSCHAFT, A GERMAN COMPANY, OF DEUTZ-MULHEIMER-STRASSE 111, 5000 KOLN 80, WEST GERMANY.

Inventors : HELMUT DÜLL & JOSEF WEISS BRUMMER.

Application for the Patent No. 961/Del/86 filed on 30 October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

Apparatus for the comminution and grinding of damp brittle grinding stock of the kind such as herein described characterized by a grinding circuit comprising an impact hammer mill (14), an admission means (10) for the damp brittle grinding stock and a hot gas conduit (15) both connected to an inlet (13) of said impact hammer mill (14), an outlet (16) of said impact hammer mill (14) being connected to a rising main (17), said rising main functioning as a flow drier and connected to a sifter (18) having a discharge conduit (19) for coarse grits, said discharge conduit (19) of said sifter (18) being in communication with the delivery stack (21) of a high-pressure roll press (22), an outlet (24) of said roll press (22) being in communication with said inlet (13) of said impact hammer mill (14) and/or to the rising main (17).

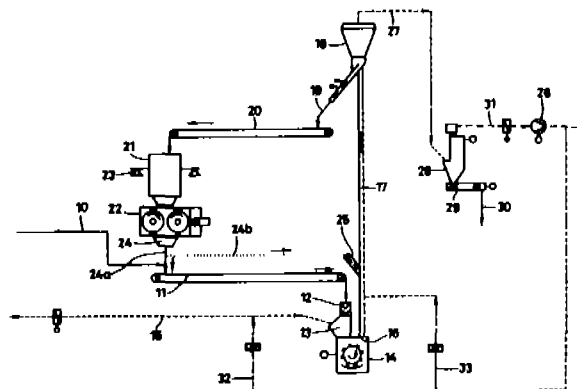


Fig. 1

Compl. Specn. 14 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 32 F(a) [IX (1)]

168048

Int. Cl.⁴ : C07 C 43/04.**A PROCESS FOR THE PRODUCING PURE DIMETHYL-ETHER.**

Applicant : UNION RHEINISCHE BRAUNKOHLN KRAFTSTOFF AG., A GERMAN COMPANY, OF POSTFACH 1663, D-5047 WESSELING, WEST GERMANY.

Inventors : HORST DORNHAGEN, HARTMUT HAMMER & EWALD MEISENBURG.

Application for the Patent No. 1014/Del/86, filed on 20th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A process for producing pure dimethylether useful as a propellant, by feeding the raw dimethylether, which has been catalytically produced from methanol and which contains smelling impurities and which is mixed with unreacted methanol into a distillation column for producing pure odourless dimethylether, characterised in that the raw dimethylether consisting unreacted methanol, water, impurities with boiling points between those of

methanol and dimethylether and other oxygen containing hydrocarbons and 1 to 80% by weight of dimethylether is subjected to distillation in the column at a temperature of 40 to 112°C, at a pressure of 5 to 10 bars and a reflux ratio of 1; 0.4 to 1; 25 whereby pure dimethylether is obtained at a temperature of 20 to 50°C and the impurities with lower boiling points than that of methanol are removed at a temperature of 20 to 60°C, from a tray which is located at least five trays above the (highest) feed tray for the introduction of dimethylether containing feed.

Compl. Specn. 18 Pages.

Drgs. 2 Sheets.

Ind. Cl. : 189 [LXVI (9)]
Int. Cl. : A 61K 7/16.

168049

STABILIZED DENTAL CREAM.

Applicant : COLGATE-PALMOLIVE COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 300 PARK AVENUE, NEW YORK 10022, UNITED STATES OF AMERICA.

Inventors : SANDRA LEE SCHELM & LINDA JOY VELLEKOOP.

Application for the Patent No. 1150/Del/86, filed on 30th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

16 Claims

A stabilized dental cream comprising at least about 20% by weight of a liquid vehicle comprising water, glycerine, sorbitol and a vegetable oil, the weight ratio of glycerine to sorbitol being from 0.25 : 1 to 3 : 1 and the amount of said vegetable oil being 0.1–5%, by weight, a solid vehicle comprising 0.05–10% by weight of gelling agent such as herein described, 20–75% by weight of a dentally acceptable water-insoluble polishing material such as herein described.

Compl. Specn. 21 Pages.

Drg. Nil.

Ind. Cl. : 71 B XXVIII (1)
Int. Cl. : E 21B 7/00, 7/12 & 15/00.

168050

A COMBINATION OF DRILLING AND BORING MACHINE.

Applicant & Inventor : SHREE JEET BAHADUR SINGH, PROP. R. KDEISAL SERVICE, LAMMUA, SULTANPUR, UTTAR PRADESH, INDIA, AN INDIAN NATIONAL.

Application for the Patent No. 1059/Del/86, filed on 3rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A combination of drilling and boring machine comprising a stationary outer housing (2) a rotary barrel (4) rotatably disposed within the said housing (2) a pulley (11) adapted to receive a drive from a motive source is mounted on a shaft (6) extending within the housing, characterised in that a Jack (3a) is provided for supporting the machine a gear (12) mounted on the said shaft (6) and within said housing (2) for imparting a rotatable movement to the rotary barrel, a sliding (4) barrel disposed within said rotary barrel (4) and in a sliding relationship thereto is secured to the boring pipe, cutter blades are provided at the lower end of the said boring pipe.

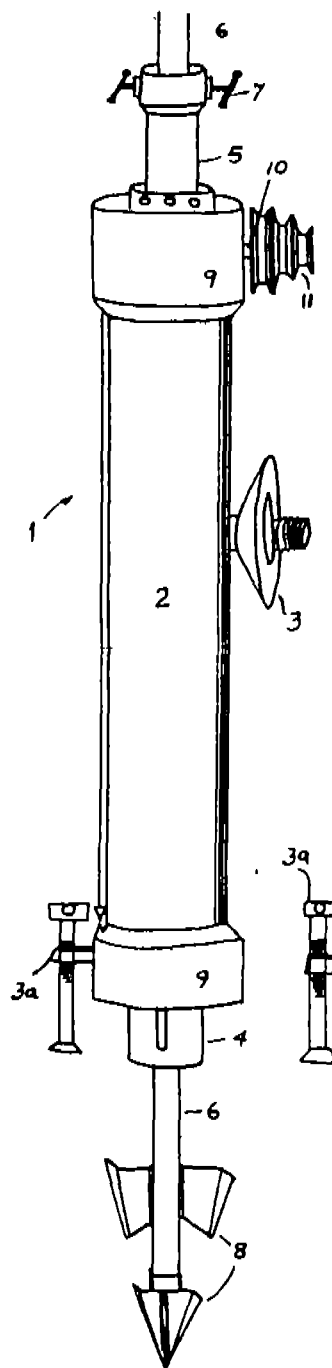


Fig. 1

Compl. Specn. 6 Pages.

Drg. 1 Sheet.

Ind. Cl. : 128 A
Int. Cl. : A 61—13/20.

168051

AN IMPROVED METHOD OF MAKING A CATAMENIAL TAMPON.

Applicant : PRESIDENT AND FELLOWS OF HARVARD COLLEGE, A CHARITABLE CORPORATION OF MASSACHUSETTS, HAVING ITS PRINCIPAL PLACE OF BUSINESS AT 17 QUINCY STREET, CAMBRIDGE, MASSACHUSETTS 02138, UNITED STATES OF AMERICA.

Inventor : EDWARD HAROLD KASS.

Application for Patent No. 262/Del/86 filed on 20th March, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

An improved method making a catamenial tampon comprising forming a pad from a mass of water-sorptive water-insoluble solid material of the kind such as herein described, characterised in that said mass of material or a portion thereof is contacted with an aqueous solution or dispersion of a non-toxic salt of divalent cation of the kind such as herein described, to deposit therein or thereon at least from 1 to 2 milligram of said non-toxic salt of divalent cation per gram of said mass of material, effective to substantially inhibit production of toxic shock syndrome toxin-1 during use of said tampon.

Compl. Specn. 7 Pages.

Drg. Nil

Ind. Cl. : 116 G.
Int. Cl.⁴ : B 60 P 1/42 & 1/56.

168052

A BULK SUPPLY MEANS FOR SUPPLY OF CEMENT.

Applicant : NATIONAL COUNCIL FOR CEMENT AND BUILDING MATERIALS, M-10, SOUTH EXTENSION, PART-II, RING ROAD, NEW DELHI-110049.

Inventor : JAYANT DATTATRAYA BAPAT.

Application for Patent No. 820/Del/86 filed on 17th September, 1986.

Complete Specification No. left on 21st March, 1988.

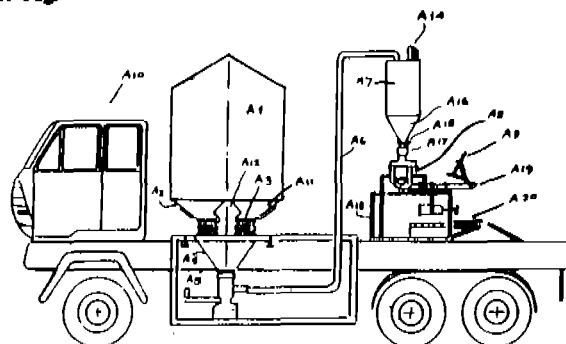
Post dated to 17th Jan., 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

2 Claims

A bulk supply means for supply of cement comprising a vehicle having at least one bulk container mounted thereon, characterised in that said container having an outlet connected to a intermediate storage container through the means consisting hydraulic vibrators having flexible sleeves for discharge of cement into a receiving hopper, said hopper being connected to the conveying pipe through a compressor, said conveying pipe is connected to said intermediate storage tank, said intermediate storage tank having an outlet connected to a packing machine through the further means for discharging cement comprising a manually operated slide gate

provided at the said outlet of the intermediate tank, a rotary air lock feeder being connected to said slide gate, said packing machine mounted on a frame secured on the vehicle having a discharge outlet, a holder being provided at the said discharge outlet for holding the bag.



Compl. Specn. 8 Pages.

Drg. 1 Sheet.

Ind. Cl. : 4 A LIII (I).
Int. Cl.⁴ : B 64 C 27/57.

168053

HELICOPTER-TYRE AIRCRAFT.

Applicant : DORNIER GMBH., A GERMAN COMPANY, OF POSTFACH 1420, 7990 FRIEDRICHSHAFEN, WEST GERMANY.

Inventor : HERBEERT ZIMMER.

Application for Patent No. 1015/Del/86 filed on 20th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

A helicopter-tyre aircraft provided with a tiltable vertical thrust and lift producing rotor (2) a separate tail end forward thrust producing propeller (6) as well as a yaw control and yew moment compensation control (7) cooperating with said forward thrust propeller (6) characterised by said tail end propeller (6) being an unshrouded air-screw, (6) a pair of flow deflecting rudders (27, 27) located symmetrically on either side of a vertical longitudinal center plane (1-1) of the aircraft; said rudders (27, 27) being provided in the wake of said forward thrust propellers; (6) and a carrier frame (20) on the tail portion of the aircraft; said frame (7) having vertical pivot shafts (29, 29) on which said rudders (27, 27) are mounted for pivotal movement, said frame (7) also providing support structure for regular elevational, horizontal stabilizer fins (22, 22) and an elevational rudder (30).

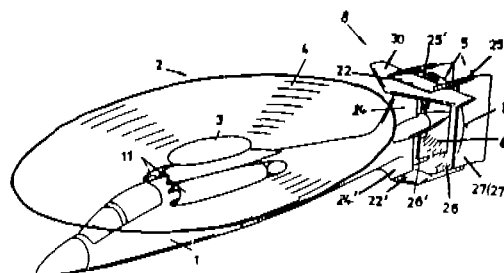


Fig. 1

Compl. Specn. 19 Pages.

Drgs. 2 Sheets.

Ind. Cl.: 207,
Int. Cl.⁴: B 23 D 61/00.

168054

CIRCULAR SAW BLADE ASSEMBLY.

Applicant: LEBEVER CO., A CORPORATION ORGANISED AND EXISTING UNDER THE LAWS OF THE STATE OF OKLAHOMA, UNITED STATES OF AMERICA OF 602 UNION PLAZA, 3030, N. W. EXPRESSWAY, OKLAHOMA 73112, U.S.A.

Inventor: VONDENE DURWOOD HAYHURST.

Application for Patent No. 1031/Del/86 filed on 26th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A circular saw blade assembly for supporting a detachable end-less saw chain around its periphery, said assembly (12) comprising first and second disks (6, 18) each having a circular periphery, (22) said disks being of substantially the same diameter positioned in overlying relation to one another and having aligned central bores (24, 30) for the passage of a drive arbor the disks diverging from one another thereby a relief space therebetween and connector means in said relief space connecting said disks together while maintaining said relief space, said connector means being located radially inwardly of the peripheries of the first and second disks thereby an annular peripheral groove radially outwardly of said connector means to frictionally receive anchor portions of the drive link elements of an end-less saw chain, with the outer elements of the chain being located radially outwardly of the circular peripheries of the disks.

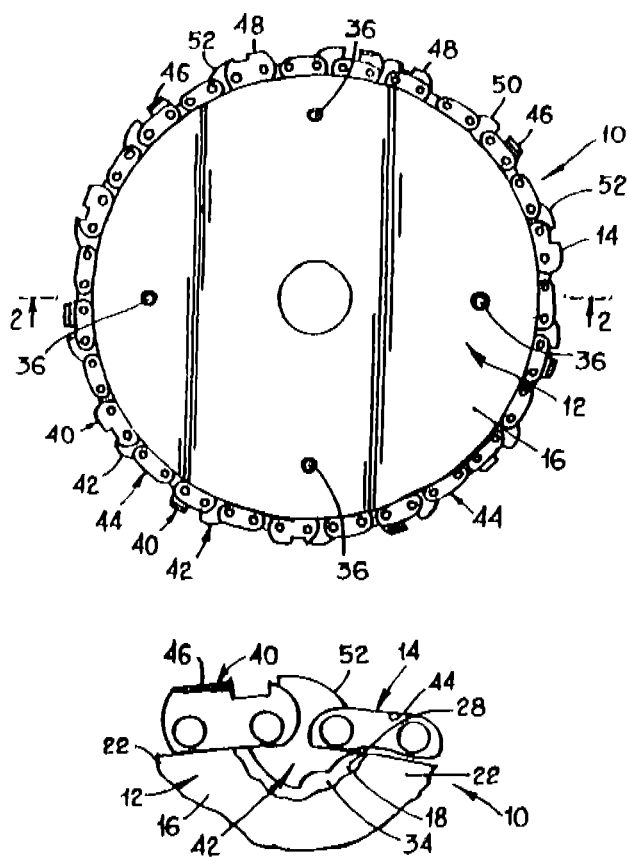


Fig. 3

Compl. Specn. 10 Pages.

Drg. 1 Sheet.

Ind. Cl.: 40 B IV (1).
Int. Cl.⁴: B 01 J 29/06.

168055

A CATALYST COMPOSITION FOR THE DEHYDROCYCLODIMERIZATION OF ALIPHATIC HYDROCARBONS AND METHOD OF MANUFACTURING SAID CATALYST COMPOSITION.

Applicant: UOP INC., A CORPORATION ORGANISED IN THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 20 UOP PLAZA, ALGONQUIN & MT. PROSPECT ROADS, DES PLAINES, ILLINIOS 60017, UNITED STATES OF AMERICA.

Inventors: SOLVEG SUE KJELL, TAI-HSIANG CHAO, NANCY JO FLINT, ARTHUR ATHANASIOS FOUTSITZS.

Application for Patent No. 1034/Del/86 filed on 26th November, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A catalyst composition for the dehydrocyclocondimerization of aliphatic hydrocarbons comprising phosphorus containing alumina, present in the amount of from 15 to 60 percent by weight of the total catalytic composite, and wherein the phosphorus to aluminium molar ratio is from 1 : 1 to 1 : 100; gallium, present in an amount of from 0.1 to 5.0 percent by weight to the total catalytic composite, and a crystalline aluminosilicate zeolite, present in the amount of 40 to 80 percent by weight of the total catalytic composite, and wherein the silica to alumina ratio is at least 12.

Compl. Specn. 20 Pages.

Drg. Nil.

Ind. Cl.: 40 B.
Int. Cl.⁴: C 08 F 4/16, 4/22, 4/30.

168056

NOVEL CATALYST COMPOSITIONS.

Applicant: SHELL INTERNATIONALE RESEARCH MATSCHAAP B.V., OF CAREL VAN BYLANDTLAAN 30, 2596 HR HAGUE, THE HAGUE, THE NETHERLANDS, A COMPANY ORGANIZED UNDER THE LAWS OF THE NETHERLANDS, A RESEARCH COMPANY.

Inventors: JOHANNES ADRIANUS MARIA VAN BROKEHOVEN & EIT DRENT.

Application for Patent No. 132/Del/87 filed on 16th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

Novel catalyst composition comprising a mixture of

- a palladium compound,
- a non-noble transition metal salt of an acid with a pka of less than 2, provided that the acid is not a hydrohalogenic acid, or a mixture of such a salt and such an acid,
- a bidentate ligand of the general formula $R^1 R^2 -M-R-M-R^3 R^4$ and wherein M represents phosphorous, arsenic or antimony, R^1 , R^2 , R^3 and R^4 represent hydrocarbyl groups which may or may not be substituted with polar groups and R represents a bivalent organic bridging group having at least two carbon atoms in the bridge.

Compl. Specn. 17 Pages.

Drg. NIL.

Ind. Cl.: 6 A₂ [XIV] (1).
Int. Cl.: F 04 B 48/08, 49/10.

168057

COMMON STREET, NEW ORLEANS, LOUISIANA 70112,
UNITED STATES OF AMERICA.

PISTON AND CYLINDER GAS COMPRESSOR

Applicant: BEEDIX LIMITED, A BRITISH COMPANY, OF DOUGLAS ROAD, KINGSWOOD, BRISTOL BS15, 2EL, ENGLAND.

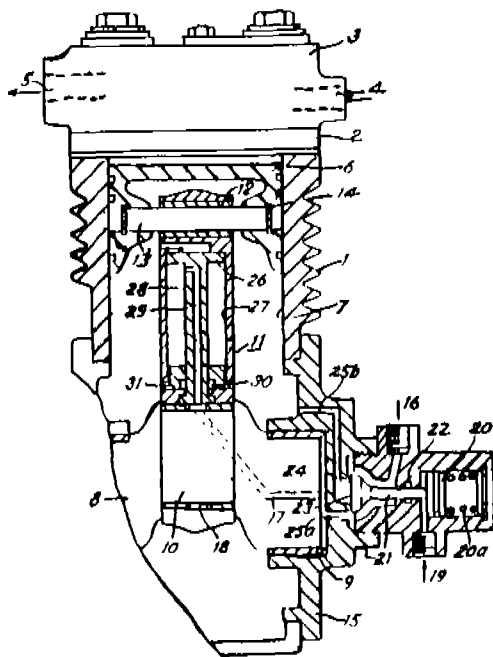
Inventor: MICHAEL CHARLES CHRISTMAS.

Application for Patent No. 168/Del/87 filed on 25th February, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

5 Claims

A piston and cylinder gas compressor having a compressor crankshaft (8) with a crankpin (10) pivotally connected by a connecting member (11) to a reciprocating piston (6) whereby rotary motion of the crankshaft (8) is converted into reciprocating motion of the piston (6), said connecting member (11) having relatively moveable end parts respectively connected to an hydraulic cylinder (27) and an hydraulic piston (26) slideable in said hydraulic cylinder (27) and an hydraulic fluid passageway in said crankshaft (8) for selectively applying fluid under pressure to the hydraulic cylinder (27) to act on said hydraulic piston (26) whereby said connecting member (11) may alternatively be rigid or freely extensible such as to interconnect or disconnect the crankshaft (8) and the piston (6).



Compl. Specn. 9 Pages.

Drg. 1 Sheet.

Ind. Cl.: 40 I [IV] (1).
Int. Cl.: A 62B 21/00.

168058

DETECTOR FOR MEASURING THE FREE OXYGEN CONTENT IN A COMBUSTIBLE OR HAZARDOUS ATMOSPHERE

Applicants: THE BABCOCK & WILCOX COMPANY, A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF DELAWARE, UNITED STATES OF AMERICA, OF 1010

Inventors: MARSHALL HILTON COOPER.

Application for the Patent No. 200/Del/87, filed on 6th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A detector for measuring the free oxygen content in combustible or hazardous atmosphere (14) at ambient temperature which comprises:

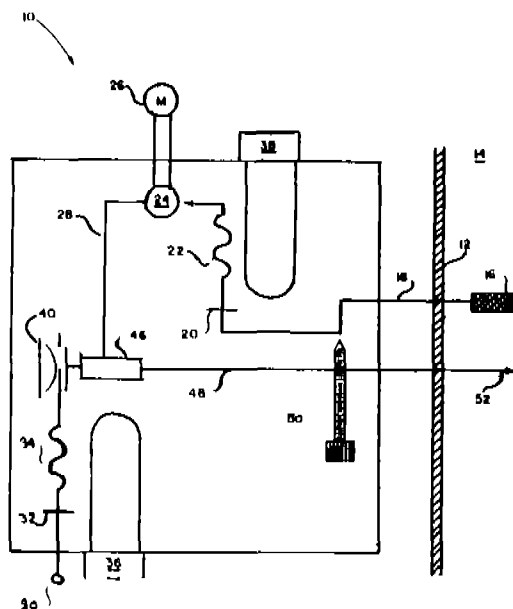
a first metal thermocouple;

a second metal thermocouple of a metal dissimilar from the metal of the first thermocouple, said second thermocouple being connected at two junctions to said thermocouple to form a differential thermocouple (24);

an oxygen-reactive coating of a material such as herein described provided on the first junction of said first thermocouple with said second thermocouple, said coating reacting with the free oxygen in said combustible or hazardous atmosphere (14) to liberate heat and thereby increase the temperature of said first thermocouple junction;

an oxygen-inert coating of a material such as herein described provided on the second junction of said first thermocouple with said second thermocouple to prevent any reaction of the free oxygen in said combustible or hazardous atmosphere (14) from reacting at said second junction and thereby preventing any increase in temperature of that junction through liberation of heat; and

means (26) connected to said first and second thermocouple junction for measuring the temperature differential between said junctions and providing an output signal based on said differential, said differential being proportional to the concentration of free oxygen in said combustible or hazardous atmosphere (14).



Compl. Specn. 15 Pages.

Drgs. 4 Sheets.

Ind. Cl. : 63 I LVII(1).
Int. Cl. : H02K 17/00.

168059

A MINIATURE MOTOR.

MABUCHI MOTOR CO., LTD., A JAPANESE COMPANY, OF NO. 430 MATSUHIDAI, MATSUDO-SHI, CHIBA-KEN, JAPAN.

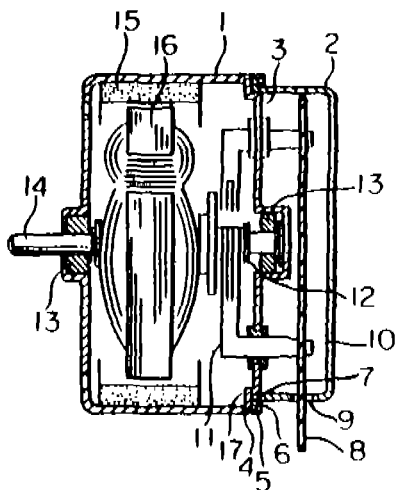
Inventors : MICHIO HOSHINO, KAZUO OKADA AND KEISUKE EBIHARA.

Application for the Patent No. 210/Del/87, filed on 9th March, 1987.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

4 Claims

A miniature motor having a motor case (1) with a hole (13) for a motor shaft (14) at one end face thereof and an opening at the other end face thereof, an end bell cap (3) for covering said motor case opening, a conventional electronic device located on a printed circuit board (8) and a cup shaped cover (2) for said electronic device, having an opening at one end face thereof, said cup shaped cover (2) for the electronic device being fixedly fitted to said motor case open end, said cover (2) for said electronic device having a rim portion (7) provided along the outer periphery of the open end thereof; said motor case (1) having a staking portion (6) provided on the open end thereof and a retaining portion (5), having a shouldered portion (4) provided along the inner periphery of said motor case, and said end bell cap (3) having an engaging portion (17) along the circumferential edge thereof for engaging with said motor case retaining portion (5) and with said electronic device cover rim portion (7); said end bell cap engaging portion (17) and said electronic device cover rim portion (7) being engaged with said motor case retaining portion (5); said end bell cap engaging portion (17) and said electronic device over rim portion (7) being staked to said motor case shouldered portion (4) by said motor case staking portion (6).



Compl. Specn. 8 Pages.

Drg. 1 Sheet.

Ind. Cl. : 32F1
Int. Cl. : C 07C 87/00.

168060

PROCESS FOR PREPARING POLYMERIC POLYAMINES.

Applicant : IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JF, ENGLAND.

Inventors : JAMES MARTIN BENTLEY, JAMES PETER-BROWN, GUY FRUINS & DAVID JOHN SPARROW.

Application for the Patent No. 225/Del/87, filed on 18th March, 1987.

Convention date 26th March 1986 & 17th June 1986/8607597/8614703/U.K./U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A process for preparing a polymeric polyamine having a molecular weight of from 1000 to 16000 and containing from 2 to 4 primary amino groups per molecule, which comprises condensing a polycarboxylic acid such as herein described or amide-forming derivative thereof with a stoichiometric excess of a polyamine having terminal aminopropoxy groups and a molecular weight below 500 at a temperature of up to 250°C.

Compl. Specn. 15 Pages.

Drg. Nil.

Ind. Cl. : 108C1
Int. Cl. : C 21C 1/20.

168061

A REFINING PROCESS FOR MANUFACTURING STEEL.

Applicant : SOCIETE LORRAINE DE LANINAGE CONTINU-SOLLAC-A FRENCH COMPANY, OF 17, AVENUE DES TILLEULS, 57191 FLORANCE, FRANCE AND UNIMETAL—SOCIETE FRANCAISE DES ACIERS LONGS, A FRENCH COMPANY, OF 1, RUE PONT—A—SEILLE, 57000 METZ, FRANCE.

Inventors : KIGER ROGER.

Application for the Patent No. 256/Del/86, filed on 19th March, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

A refining process for manufacturing steel having a phosphorous content not greater than 0.026% from a pig iron having a phosphorous content higher than 0.5% and preferably between 0.8% to 2.0%, wherein total quantity of lime use is close or equal to the stoichiometric quantity required for neutralising the silicon and phosphorous oxides formed during the refining treatment or contained in the mineral and metallic additions and for transforming them to dicalcium silicate (CaO)₂ SiO₂ and to tricalcium phosphate (CaO)₃ P₂O₅, said process comprising the following steps: blowing in a first phase most of the oxygen necessary to the conversion of pig iron in the steel in the presence of a slag containing optionally a first part of fresh lime and at least part of the recycled slag, deslagging the slag after blowing most of the oxygen, and in a second phase forming afresh slag with addition of the remaining part of the fresh lime, blowing the remaining oxygen, and after controlling in conventional

manner the composition of the steel and making necessary temperature adjustment, tapping the steel in a ladle and retaining at least part of the second slag for the first blowing phase of the next charging operation, characterised by adding at least 80% of the total amount of oxygen required for the refining and all the slag recovered at the end of the preceding charge during said first blowing phase with a quantity of fresh lime at most equal to 25% of the total quantity of lime required, and after dealgging the slag at the end of the first refining phase, carrying out said second phase during which remaining part of said total quantity of lime is charged and the rest of the oxygen is blown, and after the end of the oxygen blowing operation, an uninterrupted strong stirring of the hot molten bath and slag is carried out by injecting a stirring gas and finally, tapping the produced steel into a ladle, retrieving in a manner known per se all the remaining slag and recycling it for the next batch.

Compl. Specn. 7 Pages.

Drq. Sheet-Nil.

Ind. Cl.: 39C & 40B

168062

Int. Cl.: B01J 21/00, 23/00.

PROCESS FOR THE PRODUCTION OF AMMONIA SYNTHESIS CATALYST PRECURSORS.

Applicant: IMPERIAL CHEMICAL INDUSTRIES PLC., A BRITISH COMPANY, OF IMPERIAL CHEMICAL HOUSE, MILLBANK, LONDON SW1P 3JE, ENGLAND.

Inventors: SYDNEY PERCY SMITH ANDREW AND JAMES ROBERT JENNINGS.

Application for the Patent No. 339/Del/86, filed on 15th April, 1986.

Convention date April 22, 1985/8510197 (U.K.)

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

9 Claims

A process for the production of an ammonia synthesis catalyst precursor comprising impregnating in any conventional manner intimate mixture, having a BET surface area of at least $10 \text{ m}^2 \text{ g}^{-1}$ of finely divided particles of a reducible compound of at least one metal from group VIII of the periodic Table and finely divided particles of carbon and at least one stabilising, difficultly reducible, oxidic material of the kind such as herein described, with an aqueous solution containing an alkali metal salt of at least one acid containing a metal of Groups VA, VIA, VIIA or VIII of the periodic Table.

Compl. Specn. 13 Pages.

Drq. Nil.

Ind. Cl.: 68 D LVII (3)

168063

Int. Cl.: H 02 P 9/00.

APPLIED CURRENT CATHODIC PROTECTION SYSTEM FOR A STRUCTURE AS HEREIN DESCRIBED PLACED IN AN ELECTROLYTE.

Applicant: GAZ DE FRANCE, A FRENCH COMPANY, OF 23, RUE PHILIBERT DELORME, 75017 PARIS, FRANCE.

Inventor: MAURICE LAMBERT.

Application for Patent No. 650/Del/86 filed on 21 Jul 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

An improved applied current cathodic protection system for a metallic structure placed in an electrolyte, the system comprising at least one cathode constituted by the structure to be protected (60), at least one group (A_1) of anodes (A_{11} , A_{12} , A_{13}) isolated from the structure (60) and in contact with the electrolyte (90), at least one DC generator (12) connected between the cathode-forming structure (60) and said group of anodes, at least one reference electrode (1) and at least one control and regulation circuit (10) connected to said reference electrode (1) and said generator (12) for adjusting the potential delivered by said generator (12), and consequently for adjusting the current applied to said anodes characterised in that it comprises means (40, 50) connected to the circuit (10) for bringing said circuit (10) in to service in a cyclic manner, and in that said circuit (10) for controlling and regulating a generator (12) comprises;

(a) means (3; 103, 106) connected to said at least one reference electrode (1) for reading the potential (ELI) provided by the reference electrode (1) and for calculating the potential difference between the protected structure (60) and the electrode potential as read,

(b) comparator means (6; 107) connected to a first circuit (7) generating a first reference potential (EH) and to a second circuit (8) generating a second reference potential (EB) for comparing the calculated potential difference with said first reference potential (EH) constituting an upper threshold and with said second reference potential (EB) constituting a lower threshold, and,

(c) relay means (9, 11; 108, 109) connected to said comparator means (6; 107) and to said generator (12) for adjusting the absolute value of out put voltage delivered by the generator (12) in a single stoop during each cycle of the cyclic operation of said circuit (10) for controlling and regulating the generator (12) said means (9, 11; 108, 109) increasing said absolute value if the calculated potential difference is more negative than the upper threshold (EH), and decreasing said absolute value if the calculated potential difference is more negative than the lower threshold (EB).

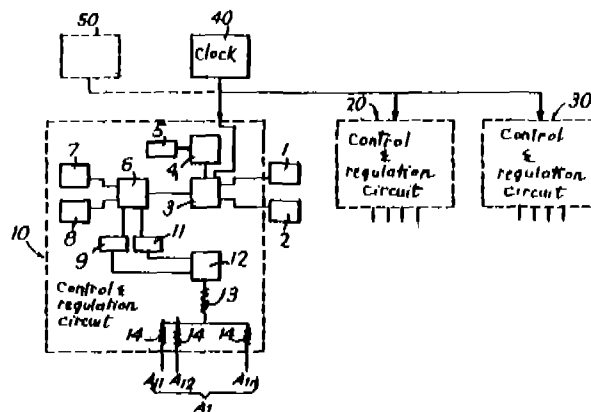


Fig. 1

Compl Specn. 19 Pages.

Drq. 3 Sheets.

Ind. Cl.: 32E IX (1)
Int. Cl.⁴: C 08 L 101/00.

168064

MELT-SPINNABLE FOR MELT-BLOWABLE COPOLYMER COMPOSITION AND FIBRES WHENEVER MELT-SPUN OR MELT-BLOWN THEREFROM.

Applicant: SHELL INTERNATIONALE RESEARCH MATSCHAPPIJ B.V., A NETHERLANDS COMPANY, OF CAREL VAN BYLAND TLAWN.

Inventor: HANS FERDINAND VERMEIRE.

Application for Patent No. 693/Del/86 filed on 30th July 1986.

Convention date August 1st 1985/8519379/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

8 Claims

A melt-spinnable or melt-blowable composition comprising:—

- (a) from about 55 to about 85 parts by weight of at least one three block copolymer having two endblocks A and a midblock B, wherein the blocks A and a midblock B, wherein the blocks A are monoalkenyl arene polymer blocks and the B block is a substantially completely hydrogenated conjugated diene polymer block, the number average molecular weight of the or each three block, the number average molecular weight of the or each three block copolymer being in the range of from about 16000 to about 175000, the number average molecular weight of the A blocks being in the range of from about 4000 to about 30000 and the monoalkenyl arene content of the or each three block copolymer being in the range of from about 10 to about 50% by weight of that three block copolymer, and
- (b) from about 15 to about 45 parts by weight of at least one two block copolymer C-D, wherein the C block is monoalkenyl arene polymer block having a number average molecular weight in the range of from about 4000 to about 30000, and the D block is a substantially completely hydrogenated conjugated diene polymer block having a number average molecular weight in the range of from about 25 to about 75% of the number average molecular weight of the midblock B of the or each three block copolymer, and wherein the total parts by weight of said three block copolymer or copolymers and of said two block copolymer or copolymers employed in said melt-spinnable or melt-blowable composition, equals 100 parts by weight.

Compl Specn. 16 Pages.

Drg. Nil.

Ind. Cl.: 130 L
Int. Cl.⁴: C 22 B 11/04.

168065

A METHOD FOR EXTRACTING NOBLE METALS.

Applicant & Inventor: DEAN BUTLER, AN AUSTRALIAN CITIZEN OF 110 MAIN STREET, HANDORF, SOUTH AUSTRALIA, AUSTRALIA.

Application for Patent No. 790/Del/86 filed on 3rd September 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-5.

4 Claims

A method of extracting noble metals from its ore which comprises grinding the ore, forming a slurry thereof with a recirculating liquor of the kind such as herein described, subsequently subjecting the slurry to an alternating electric field in the presence of an oxidizing agent of the kind such as herein described and a lixiviant of the kind such as herein described to dissolve the noble metal and recovering in any known manner a solution of the noble metal.

Compl Specn. 17 Pages.

Drgs. 3 Sheets.

Ind. Cl.: 166 B

168066

Int. Cl.⁴: B 63 B 21/22, 21/24, 21/32, 21/34 & 21/48.

A DEVICE FOR LEVERING AND TURNING ANCHOR.

Applicant & Inventor: I. ROB VAN DEN HAAK, A CITIZEN OF THE NETHERLANDS, OF ALLEGRO 114, 2925 BG KRIMPEN A/D USSEL, THE NETHERLANDS.

Application for the Patent No. 866/Del/86 filed on 30th September 1986.

Convention date December 9th, 1985/8530321/U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Branch New Delhi-110005.

7 Claims

A device for levering and turning an anchor (101), so as to orient a fluke tip (102) of the anchor in a correct position when the anchor has to dig into the ground, said device comprising a chaser (103) to be lowered to the anchor along an anchor line (111), said chaser being connected to a chaser line (104), and the anchor line being connected to an anchor shank (114), characterised in that turning means (107-109) of the device are connected to said anchor shank, said turning means (107-109) having an abutment (108) with which said chaser (103) is engaged, said turning means extending substantially longitudinally with respect to said anchor shank (114) and having a curved lever arm (107) engageable by said chaser (103) when said chaser (103) is engaged on said abutment (108).

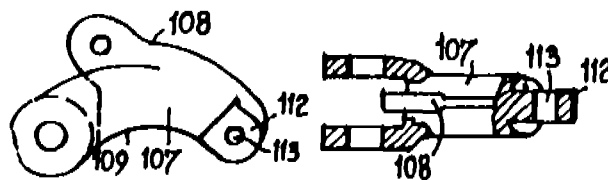


Fig. 5A

Compl. Specn. 9 Pages.

Fig. 5B

Drgs. 3 Sheets.

Ind. Cl.: 150 E

168067

Int. Cl.⁴: F/6L 15/00.

A DETACHABLE AND INTERCHANGEABLE JOINT FOR STEEL TUBING.

Applicant: VALLOUREC, A FRENCH COMPANY, OF 7, PLACE DU CHANCELIER ADENAUER, 75116 PARIS, FRANCE.

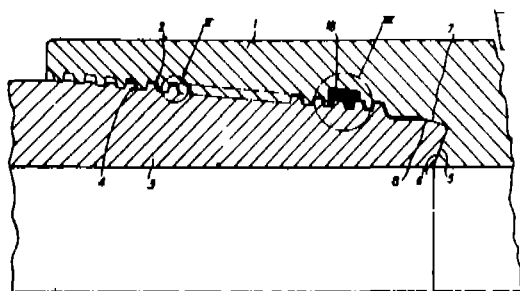
Inventors: PAUL BOUMIE & BERNARD PLAQUIN.

Application for the Patent No. 894/Del/86 filed on 7th October, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

6 Claims

A detachable and interchangeable joint for steel tubing usable in the petroleum industry comprising a male element (3) with an external threading (4) cooperating with a female element having a corresponding internal threading (2) wherein a first of said elements comprises a seal located in a groove (18) extending over an axial distance corresponding to at least one screw thread, the depth of said groove being greater than the height of the threads, said seal being constituted by a synthetic material having the volume and the shape corresponding essentially to the volume and the shape of the clearance existing between the surface of the groove and the second element of said joint in its installed state, said second element corresponding to the largest possible free space between the threads resulting from the machining tolerances.



Compl. Specn. 16 Pages.

Drgs. 3 Sheets.

Ind. Cl.: 104 J & P
Int. Cl.: C 08 K 13/02.

168068

PROCESS FOR PRODUCING ELASTOMERIC COMPOSITIONS.

Applicant: UNIROYAL CHEMICAL COMPANY, INC., A CORPORATION ORGANISED UNDER THE LAWS OF THE STATE OF NEW JERSEY, ONE OF THE UNITED STATES OF AMERICA, LOCATED AT WORLD HEADQUARTERS, MID-DELBURY, CONNECTICUT 06749, UNITED STATES OF AMERICA.

Inventor: DONALD EARL WINGROVE.

Application for the Patent No. 1062/Del/86 filed on 3rd December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

10 Claims

A process for producing an elastomeric composition, which process comprises the steps of:

(I) Preparing a blend by intimately mixing:

(A) ethylene/alphaolefin/nonconjugated polyene terpolymer;

(B) acrylonitrile/conjugated diene copolymer; and

(C) a curing agent comprising:

(i) sulfur.

(ii) Sulfur cure acceptor as herein described; and

(iii) a peroxide curative as herein described;

(II) Vulcanizing in any known manner the said blend.

Compl. Specn. 19 Pages.

Drg. Nil.

Ind. Cl.: 116 E

168069

Int. Cl.: B 66 F 3/00.

DUAL-PRESSURE JACK

Applicant: VIDEOCOLOR, A FRENCH COMPANY, OF 7, BOULEVARD ROMAIN ROLLAND, 92128 MONTRouGE, FRANCE.

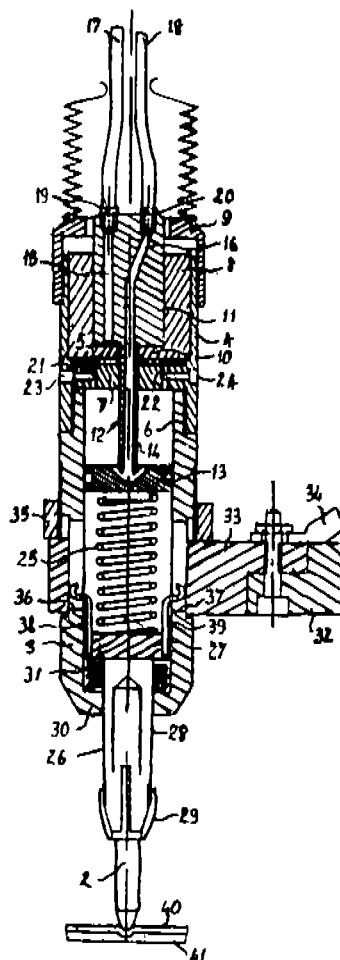
Inventor: DANIEL COTE.

Application for the Patent No. 1066/Del/86 filed on 4th December, 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

8 Claims

Dual-pressure jack (1) comprising a casing divided into two cylinders (3, 4) by a cross-partition (7), a first floating piston (8) moveable in one (4) of said cylinders, (3, 4) said first floating piston (8) having an internal cylinder (8A) for slidably accommodating a first part (11) of a two-part piston, (12) said two-part piston (12) having a second part (13) thereof moveable in the other cylinder (3) of said casing, the first (11) and second (13) parts of said two-part piston (12) being rigidly interconnected by a hollow rod (14) which passes through said crosspartition (7).



Compl. Specn. 12 Pages.

Drgs. 2 Sheets.

Ind. Cl.: 32 F2 B (IX (1))
Int. Cl.: C 07 C 57/30.

168070

AN IMPROVED PROCESS FOR THE PREPARATION OF ARYLACETIC ACIDS.

Applicant: COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: MALLADI PARDHASARADHI, ADAPA SRINIVASA RAO, NAGESWARA RAO, ALVAKONDA VIJAYA-SARADHI.

Application for the Patent No. 1086/Del/86 filed on 10th December 1986.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An improved process for the preparation of arylacetic acids which comprises preparing carbonylating catalyst viz, $N_2C_6(CO)_6$, by reacting carbon monoxide with a cobalt salt and $CoCl_2$ in the presence of alkali at a pressure 1-15 bar, and at temperature 20-50°C, immediately, reacting the said carbonylating catalyst with aryl halide derivatives such as herein described in an alkaline alcoholic solution in the presence of carbon monoxide.

Compl. Specn. 5 Pages.

Drg. Nil.

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC.

SECTION 63 OF THE DESIGN ACT, 1911

Design No.	Class No.	Subject
153931	3	1. Dhanabalan Rukmaniammal 2. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Nityanandam, 3. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Dhayanandam, 4. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Ravindran 5. Velmuruga Nadar Vannianandam Nadar Dhanushkodi Nadar Bremanandam of V.V Dhanushkodi Nadar & Sons, 90/91, South Raja Street, Tuticorin 628001, T.N., India, Indian Nationals.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration in the entry.

Class 1 Nos. 162174 & 162175. Gestion De Soportes Publicitarios, S.A., of San Martin de Porres, 45, Madrid, Spain. "Support module for mobile publicity". June 6, 1990.

Class 1 No. 162220. U.P. National Manufacturers Ltd., Ramkatora Road, Post Box No. 1068, Varanasi-221001, U.P. India, Indian Company. "Pumpset". June 18, 1990.

Class 1 No. 162249. Suraj Metal Industries at P.O. Veraval (Taluka : Kotda Sangani-Dist. Rajkot), Gujarat, India, a Partnership Firm. "Wick Stove Drum". June 26, 1990.

Class 1 No. 162250. Suraj Metal Industries at P.O. Veraval (Taluka : Kotda Sangani-Dist. Rajkot), Gujarat, India, a Partnership Firm. "Wick Stove Tank". June 26, 1990.

Class 1 No. 162243. Wasmake Industries, 40, Strand Road, 3rd floor, Room No. 18/6, Calcutta-700001, W.B., India. Indian Proprietary Firm. "Hinge". June 22, 1990.

Class 1 No. 162247. Wasmake Industries, 40, Strand Road, 3rd floor, Room No. 18/6, Calcutta-700001, W.B., India. Indian Proprietary Firm. "Hinge" June 25, 1990.

Class 1 No. 162481. Fedders Lloyd Corporation Limited, Industrial Area, Kalkaji, New Delhi-110019, India, Indian Company. "Radiator for room heating". September 6, 1990.

Class 3 Nos. 162129 & 162130. Sitapur Plywood Manufacturers Ltd. of P.O. Box No. 6, Sitapur-261001, U.P., India, Indian Company. "Door". May 23, 1990.

Class 3 No. 162149. Freemans Measure Pvt. Ltd. of Ferozepore Road, Ludhiana 141001, Punjab, India. "Measure Tape Case". May 28, 1990.

Class 3 No. 162238. Hareeshbhai Jivrambhai Pandit, Indian National, Kitchen Plast Prahlad Road, Rajkot-360001, Gujarat, India. "Glass Stand". June 20, 1990.

Class 3 Nos. 162279 & 162280. Hindustan Vacuum Glass Ltd., of Sanskriti Bhavan, New Delhi-110055, India. "Vacuum Flask". July 5, 1990.

Class 3 Nos. 162281 & 162511. Crystal Plastics & Metallizing Pvt. Ltd., Sanghi House, Palkhi Galli, Off Veer Savarkar Marg, Prabhadevi, Bombay 400025, Maharashtra, India. "Comb". July 5, 1990 & August 9, 1990.

Class 3 No. 162311. Minni Trading Corporation, 5-B, Kanchan Villa, Goraswaji, Malad (West), Bombay-64, Maharashtra, India, Indian Partnership Firm. "Sealing Strip Fasteners". July 10, 1990.

Class 3 No. 162460. Sajavat, Proprietary concern of 210, Golf Links, New Delhi-110003, India. "Planting Pot". August 29, 1990.

Class 3 No. 162586. Rakesh Khosla, Indian National of 213 Rex Chambers, 2nd floor, Walchand Hirachand Marg., Bombay 400038, Maharashtra, India. "Bottle". October 22, 1990.

Class 4 No. 162198. Adarsh Sanitary Agencies, 5, Shantiniketan Park, Opp : Meghalaya Flats, Nr. Sardarpatel Colony, Ahmedabad-380014, Gujarat, India, Indian Partnership Company. "Water Pipe". June 13, 1990.

Class 4 No. 162239. Prestige Industrial Ceramics, P.O. Thangadh (Dist; Surendranagar, Gujarat). "Instant Water Filter". June 20, 1990.

Class 4 No. 162490. Meher Distilleries Pvt. Ltd., an Indian Company of Village Aswa, Tehsil Dahnu Road, Dist. Thane, Maharashtra, India. "Bottles". September 11, 1990.

Class 4 No. 162498. Chelpark Co. Pvt. Ltd., Indian Company of A-93, Industrial Estate, Rajaji Nagar, Bangalore-560044, Karnataka, India. "Bottle". September 13, 1990.

Class 5 No. 162215. Murphy Food Specialities Pvt. Ltd. of 227, Acharya Jagadish Chandra Bose Road, Calcutta-700020, W. Bengal, India, Indian Company. "Lidless paper board box". June 15, 1990.

Class 10 Nos. 162255 & 162260. Bata India Limited, 30, Shakespeare Sarani, Calcutta-700017, W. Bengal, India. "Footwear". June 27, 1990.

Class 12 No. 162477. Jaymes Products, 53, Industrial Area, Ulhasnagar-421004, Dist: Thane, Maharashtra, India, Indian Sole Proprietary Firm. "Biscuit". September 5, 1990.

Copyright extended for the third period of five years.

Nos. 151033, 151034 & 151035 Class 4.

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